



## INTERNAL DEBEADERS

# ClearBore Internal Debeader 110-315mm

FEL's ClearBore Internal Debeader is the first to deliver full clear bore for cable ducting. The ClearBore Internal Debeader tool is for use on Polyethylene ECD (Electrical Conduit Ducting) applications and can be used on any standard or lower grade ECD specific (material and dimensional) pipe which can save £'s.

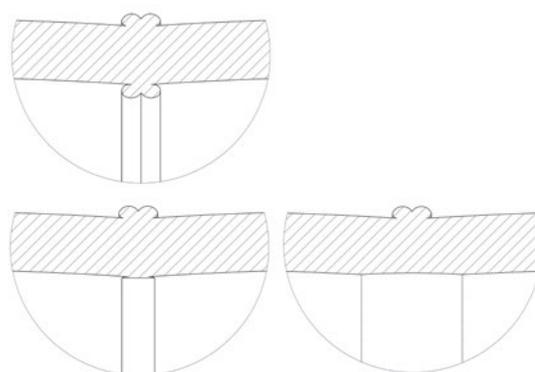
This system maintains the wall thickness to within 1mm, therefore, it is not necessary to buy thicker, higher cost pipe to lose the bead into. It also maintains pull strength and the pipe can be cut and joined anywhere without the need for any special end preparation.

The design is such to remove all of the internal bead, leaving a smooth transition so cables can pass smoothly and snag free through the pipe conduit and remove pressure points once the cables are in position.

**Easy to use** - it has a simple and solid construction with sprung cutter that gives positive location on the bead.

The tool works on PE pipe up to 12m in length and on diameters 110-315mm, SDR9 and above. Longer lengths can be accommodated with additional rod sections. The kit comes complete with one drive plate size of choice and corresponding rod supports. Additional size drive plates and supports can be bought using the same head assembly and rod kit.

Below shows cross section of a pipe wall joint (note the pipe end regression); debeaded by standard tool and finally the ClearBore solution.



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## FEATURES

- Leaves a smooth bore
- Can be used with any standard or ECD PE pipe (110–315mm range)
- Nominal wall thickness is retained at the joints so thinner wall pipe can be used
- Can cut and join pipes as much as required
- Simply fit the relevant drive plate to suit each size/wall thickness required

## Technical Specifications

Weight: Approx. 23kg (based on 250mm SDR11 drive plate)

### Dimensions

Rod bag: 1.36 x 0.2 x 0.2m

Storage bag: 0.42 x 0.22 x 0.22m

Ambient operating temperature: -5 to +50°C

Pipe operating temperature: +5 to +80°C

### Size Range

ECD pipe dia.: 110mm to 315mm (with corresponding size drive plate)

SDR: 11 and 9 (other SDRs available on request)

Joining parameters: Recommended landfill gas welding parameters on a FEL Gator 2 machine

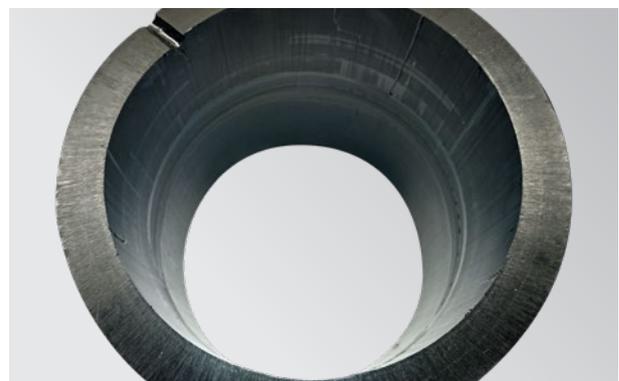
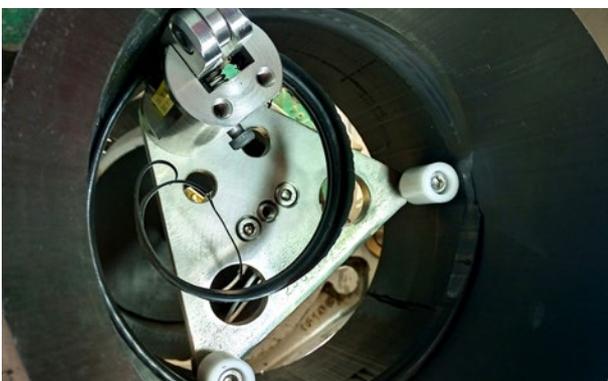
Max. bead height: 13mm

Max. bead width: 38mm

Rod length (supplied): 13m (to suit typical 12m stick length of pipe)

**Notes:** Additional rods and support discs can be purchased separately for debeading 14m stick lengths.

Kit pictured and weights are of 1.2m aluminum rod kit version. 2m steel rod kit version available on request.



Typical debaded pipe surface using the ClearBore tool.

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