

FLEX RESTRAINT

For axial restraint of PE pipe.

The restraint is a flexible bar, which is fused to the pipe by electrofusion to create a welded shoulder that can restrain the axial movement of pipes in various applications:



Anchoring the pipe to a concrete wall such as a manhole or tank.



Restraining the pipe to a gasket bell fitting to facilitate cross connection with other piping systems.



Blocking pipe movement after slip-lining.

Clips for attaching the 50mm clamping strap.



Bolt hole for securing additional equipment.



Side mounted 4.0mm terminals.

Concealed wire - eliminates risk of smoke or unintentional contact with hot wire.

Key Features

- Fits any PE pipe in the size range of 160mm to 1600mm
- Can be welded by any standard EF control box with barcode or manual input
- Option including bolt hole securing point
- Designed and tested to support 7000 LBS/3100 dN (kg) of axial force
- Use multiple units to achieve required force restraint

Technical Details:

Size:	Fits any PE pipe in the size range of 160-1600mm. Wall thickness ≥ 8.5 mm
Raw Material:	Made of PE 100 / PE4710 resin.
Welding Data Input:	Can be welded by any standard EF control box with barcode or manual input.
Axial Load Restraint Capacity:	Designed and tested to support 7000 LBS/3100 dN (kg) of axial force.
	Use multiple units to achieve required force restraint
Terminal size:	4.0mm terminals.

Installation

The flex restraint is installed by using normal EF preparation (scraping and cleaning). The flex restraint(s) should be clamped by using a 1 1/4" or larger ratchet tie down strap. Make sure the flex restraint is in full contact with the pipe.

Allow to cool for the indicated time before removing the strap. Wait 4 times cooling period before applying full load.



Flex Restraint Tension Belt.