

# Pipe Spiders & Spacers



## Custom-made pipe spacers and end seals

FT Pipeline Systems supplies bespoke pipe casing spacers and insulators which are easy and efficient to install. They can centre water and sewer pipes in casings and are used to support and electrically insulate a cathodically protected pipeline from its casing pipe. The spacers are virtually corrosion proof, require no special tools. The casing spacers eliminate the need to fill the casing annulus with sand and as they are so easy to remove, it allows damaged pipes to be repaired or replaced quickly. Available with polymer runners or rollers.

### Rollers

The coefficient of friction is reduced by approximately 66% compared to traditional runners, reducing the size of equipment needed and time spent installing pipe. The result is huge cost savings. Available on cluster spacers, metal risers and bore spacers.

### Multi Utility and Bore Spacers

Bore spacers are designed to support and cradle conduit for ease of installation, allowing optimal free flow of grout, thereby eliminating voids. Bore spacers also maintain accurate duct position and alignment which results in isolation of different conduits, reduced installation times and increased efficiency. Features include:

- Multiple utility sizes and designs
- Accommodates any type of conduit or casing pipe
- Conduit to conduit separation to customer specification
- HDPE or polypropylene wheels with steel axle.

### FT Pipeline Systems Spacer Division Offers:

- Spacers and insulators designed for your duty
- Advice on spacer type and installation
- Drawings for each bespoke design supplied and loads worked out
- Push forces worked out on request for roller spacers
- Bespoke end seals.

### Information Required for Quotation:

- Casing pipe construction material and inside diameter
- Carrier pipe/pipes construction material, use (water, gas etc.) and outside diameter
- Length of tunnel
- Whether grouting is required.



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ft pipeline systems

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# Off-the-shelf range of pipe spacers

This system of HDX spacers is available in four runner heights: 38mm, 65mm, 90mm and 125mm, which can be combined to achieve your required height.



## Benefits of HDX include:

- Handles steel, DICI, HDPE, concrete and MSCL carrier pipes from 100mm to 1600mm OD and beyond.
- Deals with various annular clearances, both grouted and un-grouted, via multiple runner heights.
- Positions pipe within casing/host pipe for customised centring or restraining.
- Installs quickly and easily to support carrier pipe on low co-efficient of friction wear pads that resist abrasion from casing/host pipe surface.
- Maximises spacer weight bearing capacity and reduces point loading via a unique load sharing runner system (see below).
- Grips pipe surface on anti-slip rubber pads that prevent spacer dislodgement during installation.
- Minimises damaging vibration and movement transfer from outer casing to carrier pipe via suspension and dampening effect.
- Resists chemicals and oils, even if immersed for long periods of time.
- Contains no metal parts to promote corrosion.
- No lead content, making it fully compatible with all potable water applications.



## Weight bearing capacity

The system offers a unique 'load sharing runner' whereby each HDX unit maximises its weight bearing capacity by distributing the pipe load across multiple runners. This reduces point loading at any one location, boosting and optimising the overall support capacity of the spacer exponentially as pipe size increases.

