



**JF PLASTICS**  
PLASTIC PIPE FABRICATIONS

LEADERS IN DESIGN & INNOVATION



## ABOUT JF PLASTICS

J F Plastics Ltd have been established for over 30 years and have built up a reputation as one of the most trusted and reliable names in the industry for supplying standard and non-standard fittings for the Renewable Energy sector and Power industries. Being an agile company, we can satisfy any order size, both large and small. Our own delivery vehicle also enables us to deliver to sites with loads that national carriers will not take.

We also supply to the Civil Engineering and Building Merchant sectors.

## COLLABORATION WITH EMTELLE

We are proud to have a close working relationship with Emtelle Ltd. Between our two companies we have developed and supplied some of the biggest wind farm and power schemes in the UK (see below).

Recently J F Plastics, in partnership with Emtelle, supplied Scottish & Southern Energy with uPVC bends for a wind farm at Keadby near Scunthorpe. We supplied 250mm uPVC 90° bends with a 1600mm radius, along with bespoke duct spacers, for the 36 wind turbines constructed there.

Other wind-farms supplied:

- Hull - Roose WF
- Durham - Consett WF
- Alnwick – Wandylan WF
- Peterborough - Glassmoor WF
- Inverness – Rothes WF
- Crick – Yelvertoft WF
- Goole – Sixpenny WF
- Beverley - Tickton Hall Farm WF
- Dunbar - Crystal Rigg WF
- Scottish Borders – Galashiels
- WF Aberdeenshire – Tullos WF
- Glasgow – Clyde WF





## WIND FARM DUCTING SUPPLIES

JF Plastics are one of the few companies in the UK that can manufacture any size of pipe to any radius required.

This is a significant advantage when the size of the power cables differ in width and are continuing to increase in diameter with development. A radius of 20 times the diameter is recommended for the bending of the power cable.

JF Plastics have only recently manufactured a range of bends for supply to the power industry that include 250mm OD uPVC 22.5 degree bend to a 60 Metre radius (shown to the right).

We can manufacture extra-long legged bends to suit the turbine base with a continuous bend with no joints in the base area at all. We can manufacture bends out of a 6 metre length of pipe if required.

We also manufacture Duct Bell Mouths for the ends of the ducts, either internally or externally fitted, and Bell Mouths that can be used in the construction of Draw Pits.

Other products include:

- Duct Junctions or T's
- Duct End Caps
- Duct Reducers
- Duct Spacers to any configuration required
- Small Catch Pits/Draw Pits



## TWIN WALL PIPE BENDS

Our Twin Wall Pipe bends can be manufactured with a wide range of angles and bore diameters to meet specific customer requirements.

All fittings can be produced to accept any pipe-to-pipe connection from a range of pipe materials including steel, concrete and clay pipes.



## SPLIT DUCT

We supply Twin Wall Split Duct in 1, 3 and 6 metre lengths and in any colour. Split Duct comes complete with a Split Coupler and cable ties to connect the two halves together.

Sizes:

- 110mm
- 118mm
- 125mm
- 150mm
- 225mm
- 300mm





## DUCT SPACERS

JF Plastics manufacture any size Duct Spacer that is required. There is no such thing as a 'standard' Duct Spacer at JF Plastics.

We can tailor-make these products to suit all your requirements.

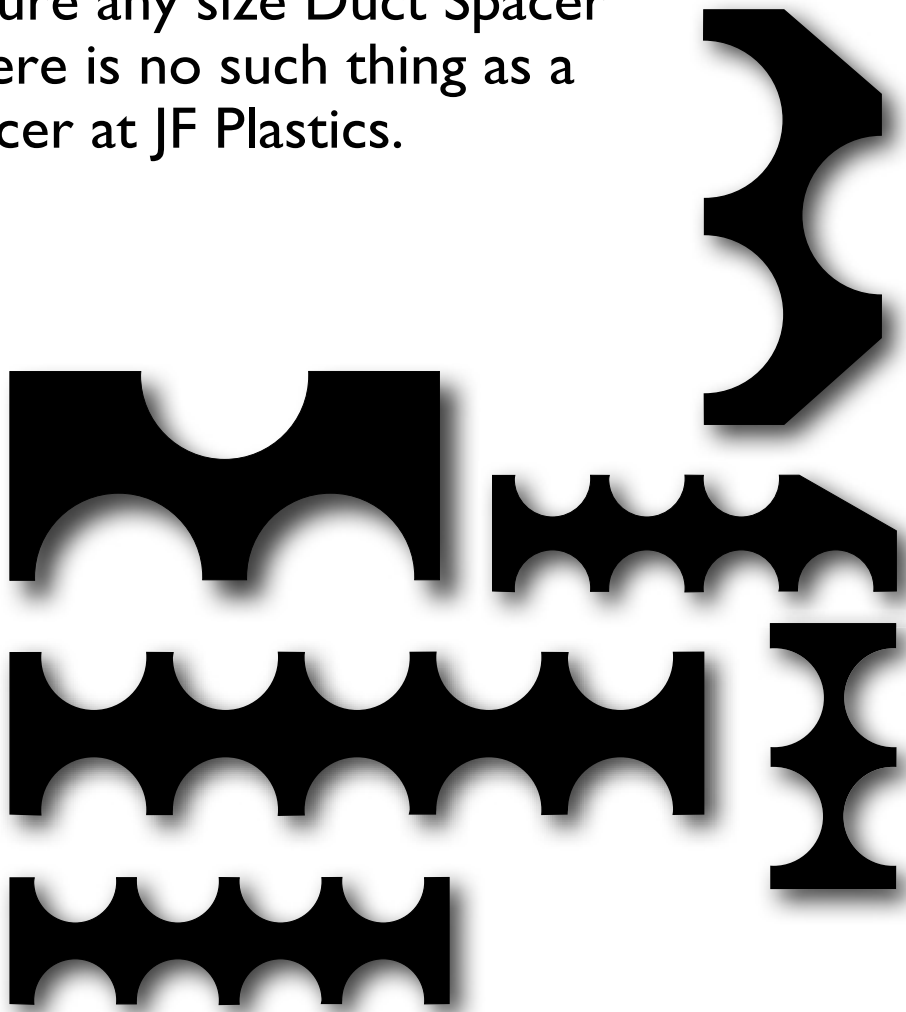
We can manufacture Duct Spacers for a 25.4mm (1") pipe up to a 600mm pipe in any configuration that is needed.

This is a truly bespoke service, we manufacture over 150,000 Duct Spacers on average per year.

Our spacers have been supplied to various large-scale construction projects:

- Hindhead Tunnel Project.
- Numerous Wind farms
- The London Gateway

Plus, main infrastructure jobs both here in the UK and overseas



## END CAPS

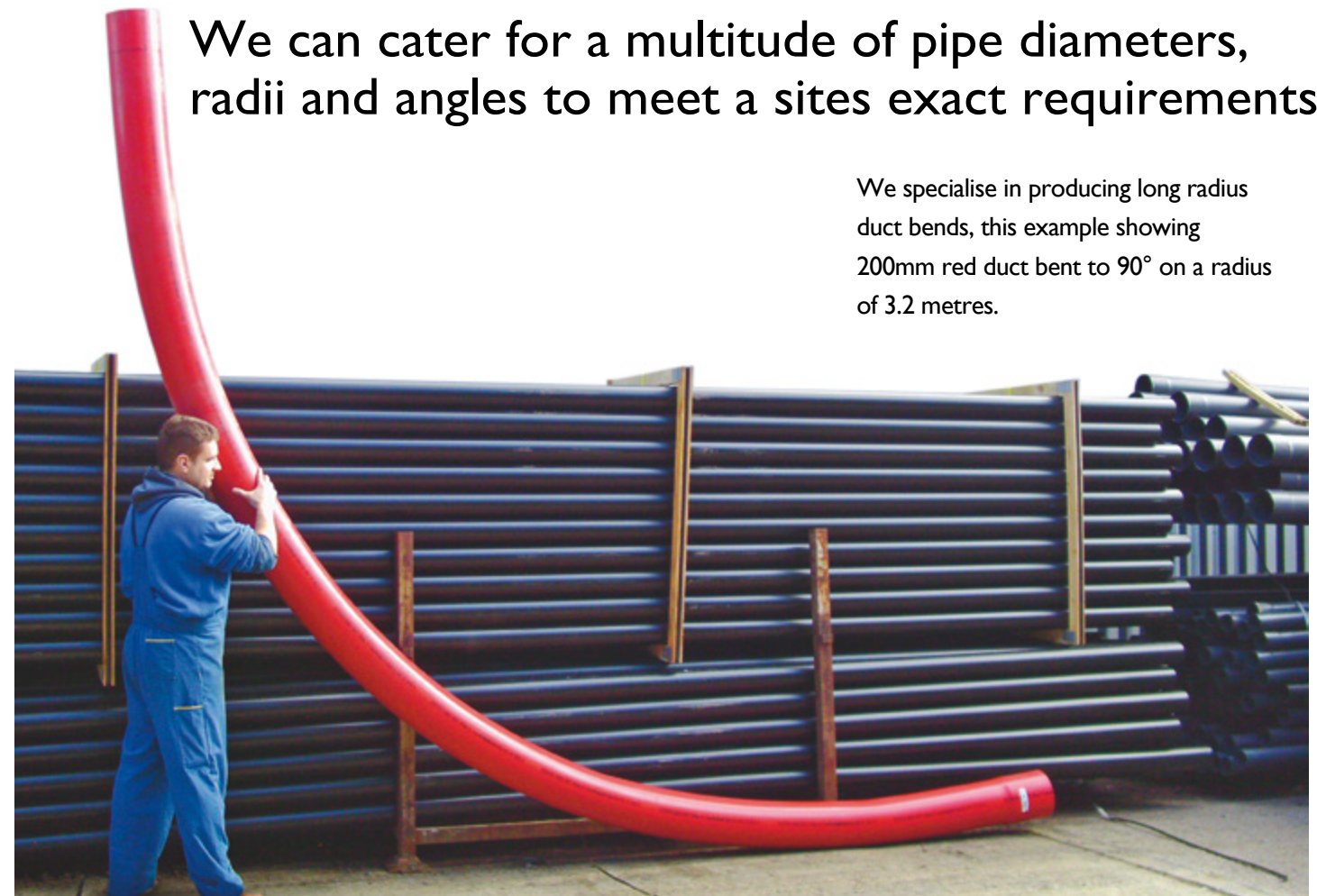
Caps or Plugs are available in all sizes. We can supply any End Cap/ Plug to suit your requirements.



## LONG RADIUS DUCT BENDS

We can cater for a multitude of pipe diameters, radii and angles to meet a sites exact requirements.

We specialise in producing long radius duct bends, this example showing 200mm red duct bent to 90° on a radius of 3.2 metres.



## CABLE DUCT BENDS

We can fabricate a large selection of GP duct bends with or without sockets and bent to any angle (subject to pipe restrictions).



# OFFSET BENDS

We fabricate offset bends in twin wall and duct pipe. Subject to the physical restrictions of the pipe itself, we can fabricate a bend to meet most requirements.



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