

## High Frequency Induction (HFI) Welded Pipe

We operate three mills specialising in HFI pipe. Accurate control of the coil rolling process ensures tight wall thickness tolerances. Bespoke forming rolls are used to produce pipe with outside diameters ranging from 2 inches to 20 inches.



Our HFI pipe is produced from high quality coiled strip steel feedstock. The process has been perfected over 40 years and ensures that we are able to offer high integrity linepipe and injection pipe to meet the most demanding project schedules. The advanced, integrated process delivers enhanced weld properties through in-line weld annealing (for 8 inch - 20 inch pipe). Full body heat treatment is also supplied where specification demands.

Our smallest diameter pipe (2 inch – 4.5 inch) is hot rolled and stretch reduced, meeting the requirements of ISO 3183. The pipe is produced in grades up to L360NC as standard. Our HFI welded pipe production processes incorporate an extensive range of tests including full body non-destructive testing and hydro-testing. Our pipe can also be supplied with a range of anti-corrosion and insulation coatings.

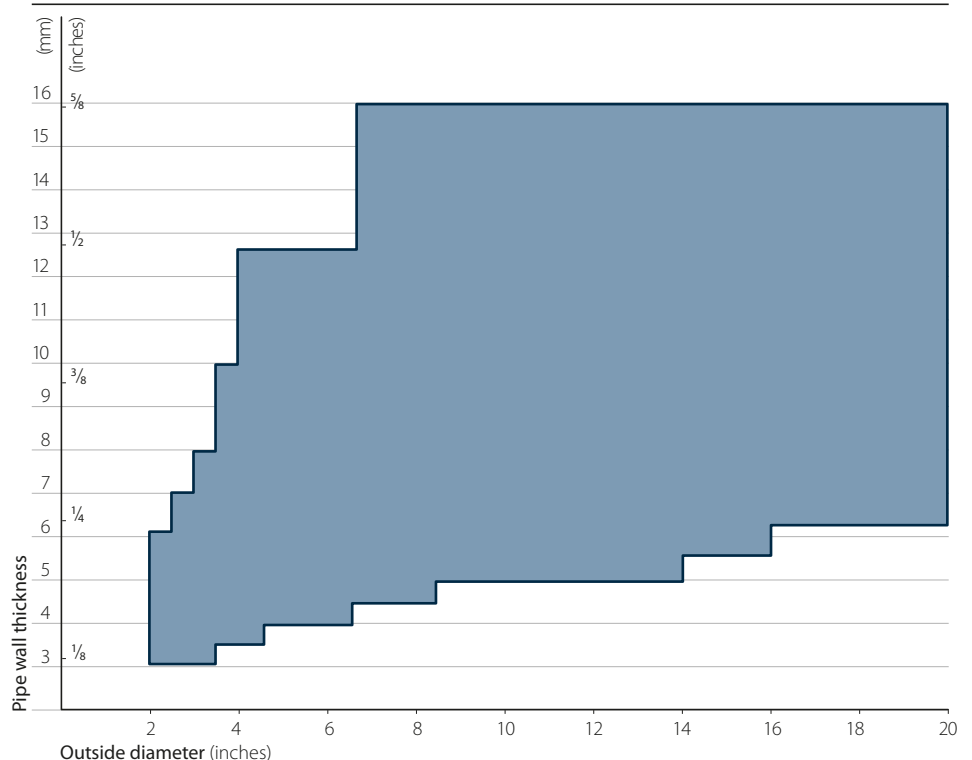
### Our HFI process delivers outstanding linepipe properties and performance:

- Weld lines meet the impact requirements of severe offshore conditions
- Wall thickness tolerance of +/- 5% to the nearest 0.1 mm
- Toughness to 40 Joules minimum at -20°C
- Sour service to NACE pH3 available in diameters 8" and above
- Strength grades up to API 5L X70 or equivalent

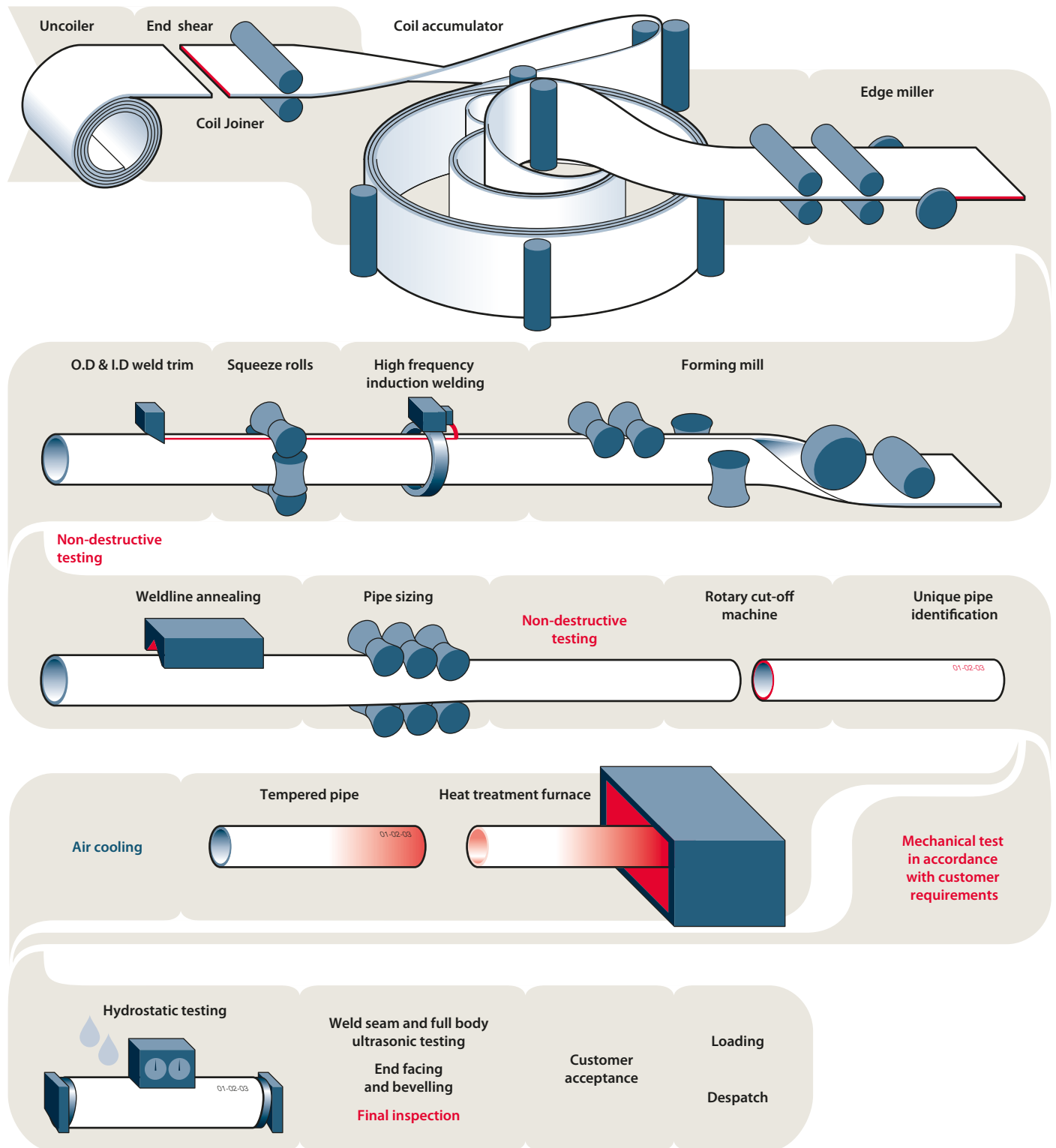
### Our HFI process also offers a range of programme advantages:

- Continuous production ensures short lead times are met
- Yield to tensile ratios accommodate reel lay
- Excellent dimensional control enables good lay rates and optimum design

Wall thickness versus outside diameter capabilities of HFI welded pipe



## HFI welded pipe mill process route



### Tata Steel

PO Box 101, Weldon Road, Corby, Northants  
 NN17 5UA, United Kingdom  
 T: +44 (0) 1536 402121 F: +44 (0) 1536 404111

[www.tatasteel.com](http://www.tatasteel.com)

While care has been taken to ensure that the information contained in this publication is accurate, neither Tata Steel Europe Limited, nor its subsidiaries, accept responsibility or liability for errors or for information which is found to be misleading.