

# Pipe Straighteners

We can offer a range of track and roller Pipe Straighteners to remove the curvature from pipelines or tube umbilical transported to the installation site on storage reels.

A typical application for a Straightener is to operate on a pipelay ramp between the Aligner and the Tensioner. The Straightener creates the reverse bend in the pipe, thus straightening it before it is laid to the seabed.

A Straightener consists of a number of rollers or tracks positioned in a manner suited to applying a reverse bend into a pipe so that it removes any curvature created during the storage or handling of the pipe prior to pipelay operations.

The design of the Straightener is down to the diameter of pipe, wall thickness, yield strength and the type of coating on it.

Roller Straighteners provide the simplest solution but inevitably provide high localised loads that can be detrimental to the pipe coating.

Track Straighteners, although applying higher loads, apply the load over a greater surface area of the pipe thus reducing the pressure on the coating.

On pipelay ramps where space is restricted, the aligner track at the top of the ramp and the lower track in the tensioner can be used as part of the straightening process.

Along with the Straightener we can offer a full turnkey package of pipelay equipment that includes ramps, storage reels, clamps, tensioners, aligners, chutes, winches, sheaves, power units and special to type equipment to meet your requirements.



16"NB Pipe Straightener – Subsea 7 Skandi Navica



Load applying Straightener Track

Pipe Straighteners

## Main Features

Roller and Track Straightener designs available.

Designed to handle large range of pipe sizes 2" - 18"NB.

Straightener track position feedback and hydraulic or electric drives enable remote operation from control cabin

High quality rubber or polyurethane pads protect the pipe & coating during the straightening process

[www.amclyde-norson.co.uk](http://www.amclyde-norson.co.uk)

[ANE.sales@nov.com](mailto:ANE.sales@nov.com)

7 Kirkshaws Road, Coatbridge,  
Lanarkshire ML5 5EY, Scotland, UK  
Tel : +44 (0)1236 428774  
Fax : +44 (0)1236 428166

 NATIONAL OILWELL VARCO

 **AMCLYDE**  
NORSON ENGINEERING

© Copyright – AmClyde Norson Engineering

# Pipe Straighteners



Modular Pipe Straightener that can be used with over or under wound pipe.



Typical Straightener Track



Pipe Straightening trials on the Skandi Navica



In-house Straightener trials on a 12"NB x 25mm wall X80 pipe.

Pipe Straighteners

## Contacts:

For more information please contact:  
[ANE.sales@nov.com](mailto:ANE.sales@nov.com)

[www.amclyde-norson.co.uk](http://www.amclyde-norson.co.uk)

[ANE.sales@nov.com](mailto:ANE.sales@nov.com)

7 Kirkshaws Road, Coatbridge,  
Lanarkshire ML5 5EY, Scotland, UK  
Tel : +44 (0)1236 428774  
Fax : +44 (0)1236 428166

 **NATIONAL OILWELL VARCO**

**AMCLYDE**  
**NORSON ENGINEERING**

© Copyright – AmClyde Norson Engineering