



## Spiralbanding Facts:

Over 500 joints of drill pipe  
Spiralbanded

2 years of downhole testing

Spiralbanding applied to drill  
pipe ranging in O.D. from 4" to  
5 1/2" along with Range 2 and  
Range 3 lengths.

Over 1,000,000 linear feet of  
drilling with Spiralbanded drill  
pipe.

Spiralbanded drill pipe has  
been utilized on assets owned  
by oil & gas production  
companies, drilling contractors,  
and drill pipe rental companies.

Over 40 wells drilled by a drill  
string containing Spiralbanded  
pipe with no downgrades of  
any joints due to loss of the  
O.D.

Potential savings on a string of  
drill pipe during operation  
equaling \$1.2 million.

Non-cracking wire formulation  
that accepts the dynamics of  
pipe deflection and stress.

## Spiralbanding

After 4 years of development, Postle Industries is proud to present a unique solution for reducing the wear on the body of drill pipe, Spiralbanding. In order to bring this technology to the drilling industry, 4 advancements needed to be developed and proven to make it possible.

- 1) A unique welding process was required. Conventional welding methods generate too much heat into the body of a drill pipe to be successful. It was imperative that a non-traditional welding solution was implemented which is suitable application on thin-walled sections.
- 2) A proper product needed to be trialed to ensure acceptable results. With Duraband<sup>®</sup>NC as a basis for product development, it was necessary to produce the same casing wear, crack free, easy application characteristics as Duraband. Spiralband<sup>®</sup>NC was developed to withstand the additional stresses of being applied on the more flexible center section of the drill pipe.
- 3) Alternative geometry needed to be investigated to not compromise the structural properties necessary in drill pipe. Conventional hardbands (concentric rings) was not an option due to potential concentric stresses that could develop in the body of the pipe during bending and deflection. After numerous trials and metallurgical modeling, we determined that a spiral design was the most conducive for eliminating failure due to stress.
- 4) Trials needed to be performed to ensure downhole issues were not created through this groundbreaking invention. We have been overwhelmed by the willingness of the Oil & Gas community to allow us to trial this application on their drill pipe. We would not be able to introduce Spiralbanding to the industry without their trust in our capabilities.

We have additional resources available to anyone interested in learning more about Spiralbanding. Please visit our website at [www.spiralbanding.com](http://www.spiralbanding.com). Arrange for an online presentation at [inquiries@postle.com](mailto:inquiries@postle.com) or contact anyone with Postle for personal assistance.



Postle Industries, Inc.  
5500 W. 164th St.  
Cleveland, OH 44142  
[hardbandingsolutions.com](http://hardbandingsolutions.com)

For Inquiries e-mail: [inquiries@postle.com](mailto:inquiries@postle.com) or call +1 (216) 265-9000

