



Westfälische  
Drahtindustrie GmbH

**PRESTRESSING STEEL**

Production and  
delivery program

**nedri**  
Spanstaal B.V.





Headquarters Hamm

## THE COMPANY

Westfälische Drahtindustrie GmbH can trace their company origins to a works for wire fabrication founded in the year 1856, which was operated as an incorporated firm (AG) as early as in the year 1872 and from 1890 under the present name **WDI**.

For more than 150 years the company has occupied an important position in Germany, as well as internationally, in the wire industry. Following a group merger (Krupp/Kloeckner) in the meantime, the company has been active on the market since 1st October 1987, again under the company name Westfälische Drahtindustrie GmbH.

Today Westfälische Drahtindustrie GmbH, with company headquarters in Hamm, is the largest group-free wire producer in Europe. Finished products are manufactured at 17 locations in Europe, at the following production facilities in the business sectors:



Hamm, Rothenburg/Saale, Iserlohn, Brotröderode, Gelsenkirchen, Brandenburg



Hamm, Schwerte, Zweibrücken



Salzgitter, Brandenburg



Nedri Spanstaal B.V., Venlo (NL), Hamm



Hamm, Rothenburg/Saale



Dortmund, Syke, Wurzen, Zwickau  
UNIROPE Ltd. Mississauga (Canada)



Rothenburg/Saale, Berlin



Bad Gandersheim, Staßfurt



## Production and delivery program Prestressing steel



WDI and her daughter company Nedri Spanstaal BV in Venlo Netherlands, is one of the leading prestressing steel producers in Europe. The company is highly recognised for its competence in the production of prestressing steels.

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The quality management system of Nedri Spanstaal BV has been awarded with the ISO 9001 certificate for many decades. We are certified by Lloyds Register Quality Assurance.



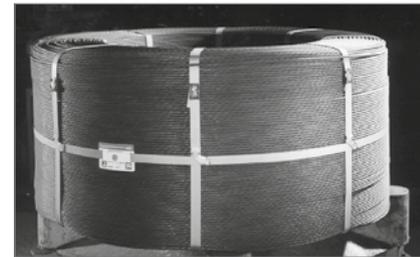
# Prestressing steel



## Prestressing steel strands

The quality management system of Nedri Spanstaal BV has been awarded with the ISO 9001 certificate for many decades. We are certified by Lloyds Register Quality Assurance.

<b>Dimensions</b>	7 -wire strands: $\varnothing$ 6.9 - 18 mm 3 -wire strands: $\varnothing$ 5.2 - 7.5 mm
<b>Type</b>	thermo-mechanical treated (stabilised)
<b>Relaxation</b>	very low relaxation
<b>Surface</b>	smooth or indented uncoated, galvanized, PE coated
<b>Indentation</b>	according to <b>FprEN 10138-3</b> or to specific client demands
<b>Coil weight</b>	2.000 - 4.000 Kg
<b>Coil dimensions</b>	Inner diameter: 740 - 1.200 mm Outside diameter: 1.190 - 1.660 mm Height: 500 - 750 mm
<b>Cut to length</b>	1.000 - 6.000 mm and according to client demands





## Prestressing steel wire

<b>Dimensions</b>	Ø 4.0 - 11.0 mm
<b>Type</b>	thermo-mechanical treated (stabilized)
<b>Relaxation</b>	very low relaxation
<b>Surface</b>	smooth, indented or with a special indentation
<b>Indentation</b>	according to <b>FprEN 10138-2</b> or to client specifications
<b>Coil-/ Ring weight</b>	500 – 2.700 Kg
<b>Ring dimensions</b>	inner diameter 1.000 – 2.000 mm outside diameter 1.200 – 2.420 mm height 140 – 330 mm
<b>Coil dimensions</b>	inner diameter 580 – 1.090 mm outside diameter 1.300 – 1.400 mm height 500 – 890 mm
<b>Wire cut in lengths</b>	1.000 - 6.000 mm and according to client demands with or without thread
<b>Bundle weight</b>	1.000 kg or according to client demands

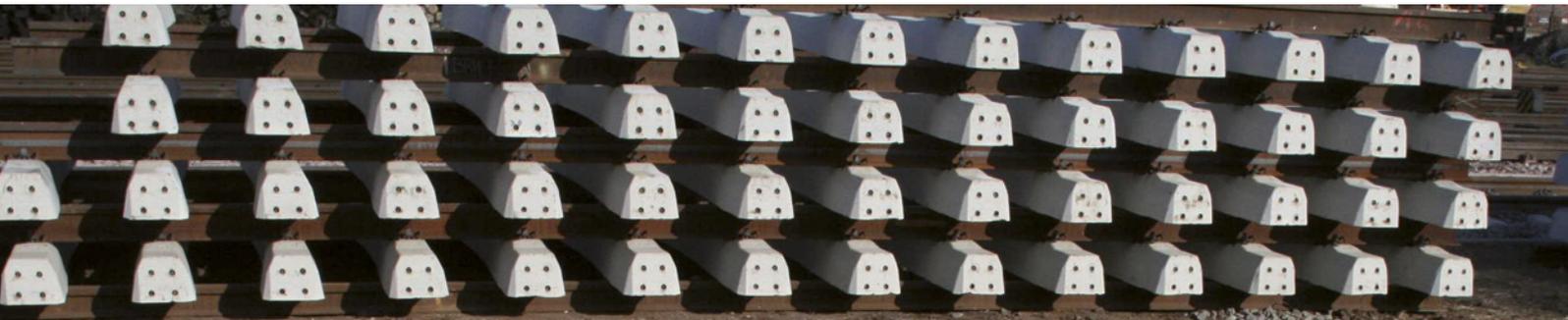


# Prestressing steel



## Prestressing steel wire in cut lengths / railway sleepers

Diameters	Ø 4.0 - 11.0 mm
Type	thermo-mechanical treated (stabilized)
Relaxation	extra low relaxation
Indentation	smooth, indented, special indentation
Profil	According to <b>FprEN 10138-2</b> or to special client requirements
Threading	according to client specifications
Bundle weight	Standard: 1.000 kg
Make up	Hairpins in cassettes





## Plastic coated strands (HDPE)

NEDRI produces various strands with a plastic coating.

The strand can be uncoated or galvanised. An extra layer of wax or grease can be applied.

Also a double HDPE coating can be supplied.

The special Geo-Strand has an alternated, by the client defined, length of wax and no wax.

The excellent properties of our HDPE-strand allow many different applications in the market.

They vary from temporary ground anchors to Stay-cables.

<b>Dimensions</b>	7-wire strand: $\varnothing$ 9.3 – 18.0 mm
<b>Type</b>	thermo mechanical treated (stabilized)
<b>Relaxation</b>	extra low relaxation
<b>Surface</b>	HDPE: smooth or following the contour following
<b>Coil weight</b>	1.400 - 4.000 kg
<b>Coil dimensions</b>	inner diameter      900 – 1.200 mm outside diameter    1.170 – 1.650 mm height                500 – 750 mm





# PRESTRESSING STEEL



## Legal Notice

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