

WIRE SOLUTIONS FROM **THICK TO THIN!**



Lindemann & Störmer



Müller & Schröder



Nöcker Drahtbearbeitung



PT11B01

КОНВЕЙЕР



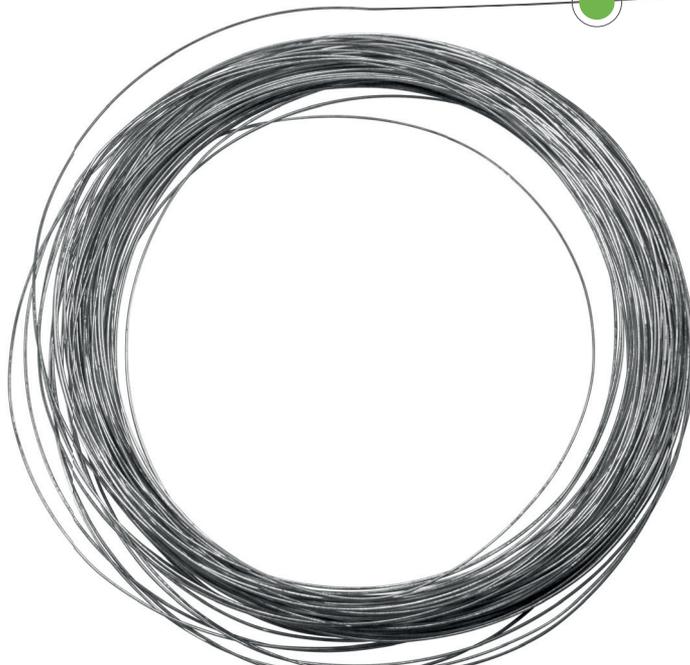
„DO NOT SEEK TO
FORESEE THE FUTURE,
BUT TO ENABLE IT TO HAPPEN.“ (A. DE SAINT-EXUPÉRY)

YESTERDAY, TODAY, TOMORROW.

Lindemann & Störmer is one of the leading companies producing high-quality and precise cold heading wires for decades.

Intensive communication with customers and suppliers, intensive market observation and continuous analysis of emerging developments on the steel market are always integral parts of our work.

Reasonable combination of technical innovations and proven engineering methods guarantees our clients a permanently reliable product.



1917

Founding of the today's company Lindemann & Störmer

1973

Acquisition of Company Müller & Schröder

1995

Founding of the Company Nöcker Wire processing

1997

Production expansion with a roller hearth furnace for cold heading wires in Wengern

2009

New surface treatment plant in Arnsberg

2017

Relocation of Nöcker wire processing from Duisburg to Wengern



2017-2018

Commissioning of the new revamping ring pickling plant in Wengern.

2024-2029

HydroNet Project*
„green“ steel processing
Climate Protection Model
Region Sauerland

*in application phase

2025

Commissioning of a new multiple drawing machine in Arnsberg

2024

Expansion and updating of the machinery park

THAT IS OUR THINKING.

“For the possible to arise, the impossible has consistently to be attempted.” (Hermann Hesse)

This philosophy has influenced Lindemann & Störmer significantly and still leads to perpetually rising demands on our company. To us, this is commitment and motivation at the same time, so that our daily ambition is to enthuse our clients with highest product quality and flexibility.
For you, we make the impossible possible!

Corporate Social Responsibility.

We understand that – in international comparison – Germany as a location has to position itself by quality and innovation, and we contribute to that.

Next to permanent educational trainings and schoolings for our employees, we also create an optimal working base and working conditions to emphasise our desire for a long term collaboration. The following also applies here: Longstanding experience combined with the latest knowledge from science and research provides us with the option to constantly develop and follow innovative ways.

FUTURE SUCCESSFUL DESIGN.

Our employees: Their knowledge, experience and creativity are the basis for long-term success. This is why we value, challenge and support our employees.

Our customers: We accompany our customers with professionalism but also with motivation and fun. Our competence, flexibility and always partnership-based approach are combined in the promise of quality that our employees give our customers every day anew.

Our suppliers: For the most part, we work with long-term suppliers. The most important thing is that our suppliers react responsibly, efficiently and competently to market changes as we do.

Our technologies: State-of-the-art plants, permanently implemented quality as well as environmental and energy management systems round out our entire portfolio.





FURTHER DEVELOPMENT KNOWS **NO LIMITS.**

Lindemann & Störmer is producing cold headed wire, which will be produced custom-made according to your applications. On that point the personal contact to the customer is just as important to us as the technical requirements. In order to meet the constant growth and market requirements as well as to reach an effectively expansion of our capacities, we have optimized, expanded and modernized our locations within the past years.

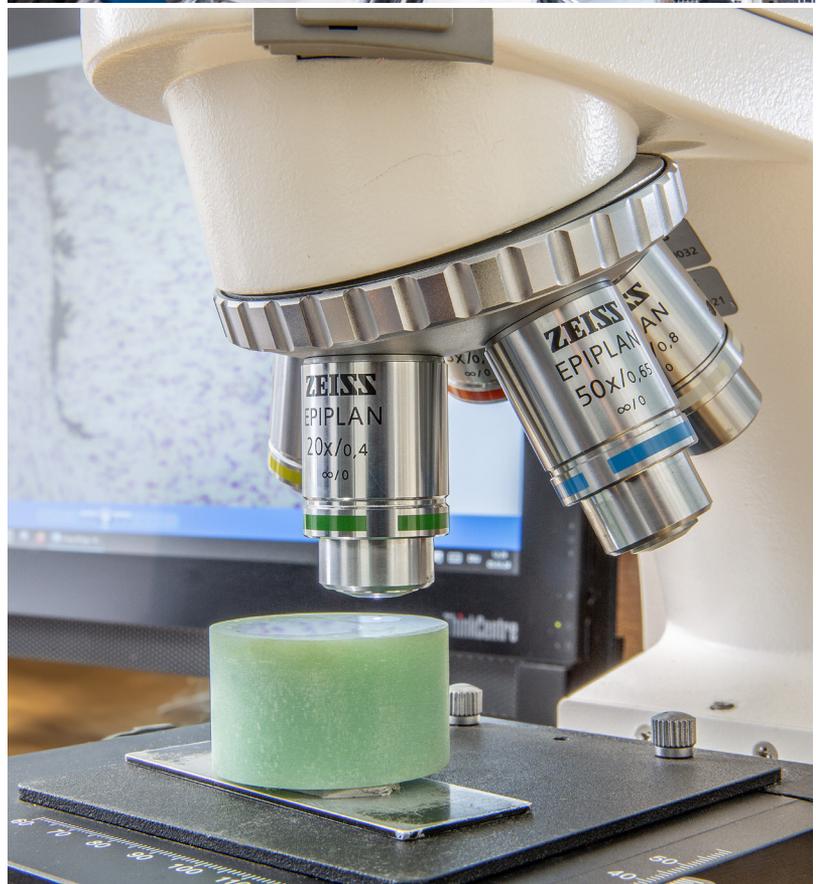
The permanent further development and specialization of our cold heading wires is always carried out in close cooperation with our customers and ensures that our processes and our products meet all market requirements. Together with our employees, customers and suppliers we continue our development without limits.

INNOVATIVE PRODUCTION.

Today there is more to it than just concentrating on process technology: The further development of our manufacturing processes is not the only prerequisite for the economic success of our company.

Our task is to incorporate new manufacturing processes in the sense of trends in technology, organization and the operating environment into our production processes in a sustainable manner. By constantly adapting our manufacturing processes to the material and all other production-relevant factors, we achieve a high level of process stability. In this way, we are able to constantly reconcile the individual wishes of our customers with the requirements of market and technology development.

We already achieve an annual capacity of 120,000 tonnes in wire drawing and around 250,000 tonnes in wire processing and refining. The consistency with which we consider and realize all these facts guarantees quality and innovation at the same time.





OUR DEFINITION FOR THE **PROCESS SECURITY.**

Due to the EDP-assisted and individual adjusted controlling and operating data acquisition software our roller hearth furnaces and annealing plants are able to meet the special requirements of the cold heading wires for homogeneous and at any time reproducible structures, such as globular cementite (spherodized) for utmost transforming with lowest possible attrition of tools.

In connection with comprehensive quality control, we continuously guarantee our customers optimally prepared materials for further processing into screws, nuts and cold extruded parts for e.g. the automotive industry.

We also reliably provide springs, roller bearing and tool steel.

MOST MODERN PRODUCTION PROCESSES.

Our permanent ambitions to improve our quality standards and reach higher productivity call for a constant improvement of the complete production flow. This demand requires expanding the production machinery permanently by innovative technologies.

With our efficient energy management, we are now able to achieve forward-looking and systematic coordination of the procurement, conversion, distribution and use of energy within our company. In order to drive this development forward, we have set up at our Wengern site a specially adapted block-type thermal power station with heat recovery.





MODERN QUALITY MANAGEMENT.

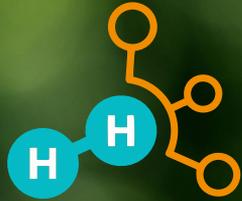
The careful use of resources, the legal basic conditions and the environmental protection are attracting as well large attention in our decisions. For years the certification according to ISO TS 16949 is made by the DNV. Our quality management ensures us and our customers that our products always meet the high quality standards required by the market.

Technical innovations within the sector, such as the fully automatic surface treatment line as well as the automatic laser dimension inspection, establish standards within our production flow. The smooth project handling and the optimized in-house transport logistics not only increase our flexibility but also the quality. As a future-oriented company, we are already training our own material testers today so that we can continue to carry out the necessary examinations carefully according to our high demands in the future.



HydroNet

Climate Protection Model
Region Sauerland



HydroNet - the collaborative project for a hydrogen
region with global connectivity
Climate Protection Model Region Sauerland





OUR FUTURE GREEN WIRE

Hydrogen is no longer an option. It's a necessity. We need hydrogen to ensure the secure supply of our society, for the future viability of our economy and to maintain our jobs.

The HydroNet Sauerland project aims to make a significant contribution to addressing structural change and introducing new future technologies within the framework of a climate protection model region. This involves implementing innovative, regional, and integrative sector coupling with the goal of advancing climate protection and the energy transition while securing jobs.

The focus of the Sauerland climate protection model region will be on establishing a sustainable hydrogen economy. The HydroNet project aims to achieve this consistently by integrating regional actors along the entire hydrogen value chain. This drives innovation, research, and development in terms of hydrogen production, distribution, and the decarbonization of various industrial operations.

We have decided to participate in this model project and are currently in the application phase (as of 03/2024). Subject to funding approval, we plan for the project to commence for all involved parties within the year 2024. It is certain that this approach serves as a pilot project with model character for an entire region and, along with Lindemann & Störmer, serves as a blueprint for other regions affected by structural change.

OUR MANUFACTURING PROGRAM.

Material range for screws, nuts and cold extension parts

Non-alloy construction steel

Material number	Standard*	Purpose
1.0213	C8C	4.6, 4.8 - 6.8
1.0214	C10C	4.6, 4.8 - 6.8
1.0234	C15C	4.6, 4.8 - 6.8
1.0303	C4C	4.6, 4.8 - 6.8
1.1132	C15E2C	4.6, 4.8 - 6.8
1.1152	C20E2C	4.6, 4.8 - 6.8

Boron steel

Material number	Standard*	Purpose
1.5502	17B2	8.8
1.5506	17MnB3	8.8
1.5514	33B2	10.9
1.5511	35B2	10.9
1.5515	38B2	10.9
1.5525	20MnB4	8.8
1.5526	30MnB4	10.9
1.5535	23MnB4	8.8, 10.9
1.5538	37MnB5	10.9

Boron steel with 1% chromium

Material number	Standard*	Purpose
1.7076	32CrB4	12.9
1.7077	36CrB4	12.9

Steel with 1% chromium

Material number	Standard*	Purpose
1.7034	37Cr4	12.9
1.7035	41Cr4	12.9
1.7039	41CrS4	12.9
1.7225	42CrMo4	12.9
1.7227	42CrMoS4	12.9

Ferritic-pearlitic steel

Material number	Standard*	Purpose
1.1302	30MnVS6	Axial plugs

Case-hardener

Material number	Standard*
1.7131	16MnCr5
1.7139	16MnCrS5

High-temperature cold heading wire

Material number	Standard*
1.7709	21CrMoV5-7
1.7711	40CrMoV4-7

*EN 10263 / EN10269

Ball-bearing steel

Material number	Standard*	Purpose
1.3505	100Cr6	Roller bearing, ball bearing

Tool steel and spring steel

Material number	Standard*	Purpose
1.8152	54SiCrV6	Tools, coldformed springs
1.8159	51CrV4	Tools, coldformed springs

Surface treatment

deoxydised-neutralized
 deoxydised-lime coated
 deoxydised-zinc phosphated + neutralized
 deoxydised-zinc phosphated + soaped
 deoxydised-zinc phosphated + lime coated
 deoxydised-zinc phosphated + hot coated
 deoxydised-zinc phosphated + polymer coated
 deoxydised-hot coated
 deoxydised-copper coated
 deoxydised-zinc phosphate-free coated
 deoxydised-hybrid (zinc phosphate-free) polymer coated

Delivery type and dimensions

Delivery type and dimensions for your requirements.

Depending on the material 3.00 - 48.00 mm, tolerance according to DIN EN 10278 ISO 286-2 (up to h9) or according to your requirements.

Other material or execution in stainless steel on request.

	Dimension	External diameter	Internal diameter	Weight
Rings	5,00 - 7,00 mm	ca. 800 mm	ca. 450 mm	200 - 1.000 kg
Rings	7,00 - 30,00 mm	ca. 1.300 mm	ca. 800 mm	500 - 2.000 kg
Rings	15,00 - 48,00 mm	ca. 1.400 mm	ca. 1.100 mm	1.000 - 3.000 kg
Former	3,00 - 6,50 mm	ca. 800 mm	ca. 450 mm	100 - 1.000 kg
Former	6,50 - 12,00 mm	ca. 800 mm	ca. 450 mm	500 - 1.000 kg
Coils	4,50 - 16,00 mm	ca. 1.200 mm	ca. 550 mm	500 - 3.000 kg

Execution	EN 10263 Description	
raw	+U	raw
GKZ	+AC	annealed on globular cementite
K	+U+C	cold-drawn
GKZ+K	+AC+C	annealed on globular cementite + cold-drawn
GKZ+K+GKZ+K	+AC+C+AC+LC	2x annealed on globular cementite + cold-drawn
K+GKZ	+U+C+AC	cold-drawn + annealed on globular zementite
K+GKZ+K	+U+C+AC+LC	cold-drawn + annealed on globular zementite + cold-drawn



lusdraht.de



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