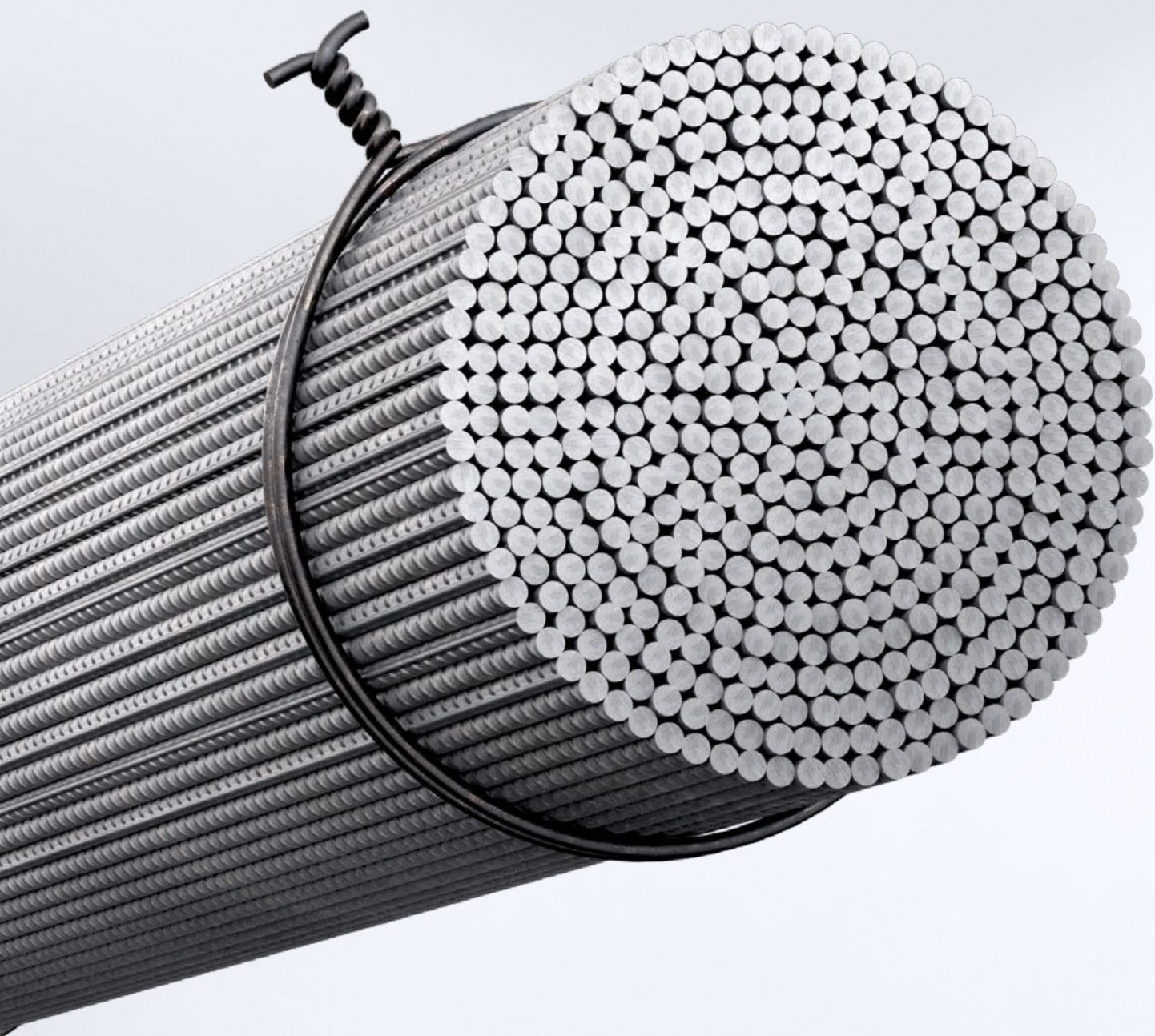


Bar & section

Binding Machine KN Delta

Product brochure





Your solid industrial partner

In a world of technical developments and ever-changing needs, a solid industrial partner is crucial. Sund Birsta has been setting new standards for performance, durability, energy efficiency and safety for decades. Today, we are considered the leading supplier of handling equipment in the rolling mill industry.

Sund Birsta's wide range of solutions can be found in plants of all types and sizes, all over the world. Like the KN Delta, responsible for the binding depicted on the left.

KN Delta Wire Binding Machine

Energy-efficient binding of medium bundles

The KN Delta Wire Binding Machine is designed for binding medium sized bundles of bars and sections. It is fast, reliable and durable.

Building on proven Sund Birsta technology, the KN Delta represents a new generation of wire binding machines, combining gear motors with a minimal hydraulic unit. This makes the machine low-maintenance and very energy-efficient.



Short cycle time

To achieve a high production rate, short cycle times are essential. The KN Delta completes a single loop in 5–6 seconds, and a double loop in 6.5–8 seconds.



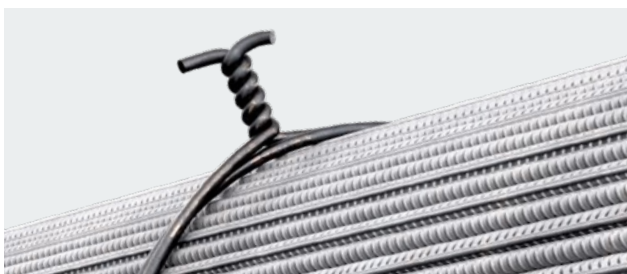
Easy installation

The KN Delta is designed to easily integrate into any line in the rolling mill industry.



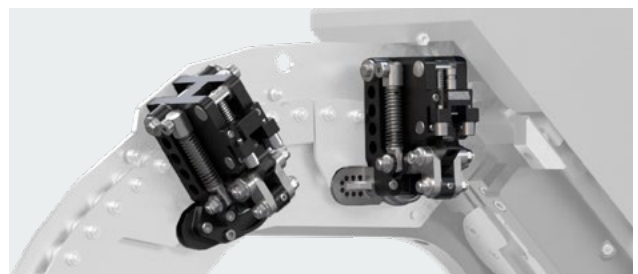
Variable binding wire width

The machine can use binding wire of different width (5.5–6.5 mm) without any modifications.



Extremely tight bindings

The wire stretching operation ties the knot extremely tight to the bundle.



Patented flap

Our patented, fully mechanical flap makes sure the wire is tight around the bundle, without hydraulics or an electric motor.



Operation

The KN Delta Wire Binding Machine is designed for binding medium sized bundles. The combination of gear motors and a minimal hydraulic unit makes the machine highly energy-efficient. The hydraulics are only activated when needed, making the energy consumption in stand-by mode far lower compared to an exclusively hydraulic machine.

As a bundle arrives at the binding position, the binding wire is fed, tightened and tied extremely tight around the bundle. The cycle time is short and efficient, with high availability. Also, the KN Delta can perform both single and double bindings.



Long life span

The robust design of the KN Delta makes the machine reliable and durable.



Low maintenance

Few wear parts and easy access to service makes the KN Delta very low-maintenance.



Few wear parts

The design of the KN Delta minimizes wear parts, making the machine low-maintenance.

Energy-efficient hydraulic operation

With its semi electric binding technology, the KN Delta has 70 percent lower energy consumption compared to traditional hydraulic binding machines.

Conventional binding machine

KN Delta Wire Binding Machine

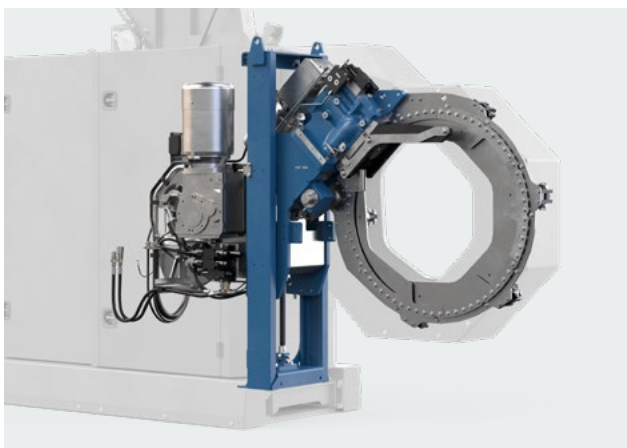
70%
less energy
consumption.

Technical specification	KN Delta
Length (mm)	3162
Width (mm)	1000
Height (mm)	1890
Binding wire (mm)	Ø 5.5–6.5
Bundle size (mm)	Ø 150–350
Binding time (s)	5–8
Net weight (kg)	2200

KN Delta Wire Binding Machine

Options and customization

We offer both standard and custom solutions, based on your specific needs. Here are some of the options available for the KN Delta.



Interchangeable core technology

The binding unit can be lifted out for service, making it possible to minimize downtime by immediately putting in a replacement.



Easy service access

By adding an electric motor, the KN Delta can easily be moved to gain access for service.



Remote service

With the Sund Birsta IoT solution, our specialists can perform remote diagnostics and troubleshooting of your equipment. This can also allow for improved preventive maintenance and optimization.



Safety

Sund Birsta machines and handling equipment are designed to meet high demands on safety, for both people and property. Machine safety is important and a priority for us.



Working environment

We strive for continuous improvement through design for a better working environment.

A long-term partnership

Service, cost-effective spare and wear parts and upgrade programs. Safety, support and digital tools. We are in it for the long haul, making sure you maximize the return of your investment in Sund Birsta technology.



Spare parts service

Every Sund Birsta unit is built with high-quality industrial components from leading suppliers. We take great pride in offering the same quality components as spare parts, readily available from our large stock.



Workshop service

Our workshop staff apply the same level of expertise and attention to detail in looking after your unit, that went into building it. From inspections to full machine rebuilds, we've got everything covered.



A wide range of solutions

We have a wide range of solutions for handling all types of products – from durable infrastructure steel to exclusive materials and surface-treated products that must be handled with great care.



60+ years of experience

We have been supplying handling equipment to satisfied customers in the rolling mill industry for over 60 years and our solutions are suitable for plants of all sizes and types.

We increase your productivity.

sundbirsta.com

SUND  BIRSTA

A part of Danieli Group