

The Momentum.

The Evolution.



Wood Band Saw Strip

**böhlerstrip®**



# Evolution never stops.

Bohlerstrip Wood Band Saw Strip. A new brand and best opportunities.

## Why you can count on us. Our main brand values.

voestalpine Precision Strip introduces a new brand with highest quality strip steel products for wood band saws. Our clear commitment is to be your partner for the future.

We're focussed on supporting our customers with highly developed strip steel to produce the best available saws on the market. As a consequence many actions have been taken to reach this high target.

We invested in a new cold rolling mill and a saw steel competence center in Kematen, Austria on 70,000 m<sup>2</sup> with state of the art technology.

We concentrate on strip steel which is used for cutting, e.g. special strip for wood saws, bimetal strip for the metal saw industry or steel rules for the packaging industry.

Our products are available on a world wide basis.

Beside our expertise in metallurgy our own inhouse Research and Development Center supports our customers in their daily business.

Within the voestalpine group we cover the complete production chain from iron ore to strip steel.

Service and variety – we constantly extend our product range according to global customer requirements.



## Strip steel benefits

- High lifetime of the saw, increased productivity
- Perfect workability due to optimised flatness and structure
- Best weldability
- Best performance of the saw
- Low production costs
- High and uniform blade quality

# Centered in the heart of Europe.

Our new saw strip competence center.





# Quality means nothing without competence in the background.

That is why we invested in a state-of-the-art production plant – focused on cold-rolled strip steel for high quality saws.

## New benefits

- Consistent and repeatable quality
- Improved surface quality
- Consistent thickness along strip steel length
- Uniform section profile
- Increased capacity

## Investment

- € 113 Mio.
- Floor space 70,000 m<sup>2</sup>
- State-of-the-art technology
- Latest environmental standards

## Equipment & Technology

- Cold rolling plant
- Slitting lines
- Annealing lines
- Edge treatment lines
- Hardening lines



Slitting line



Strip grinding machine



Annealing line



Cold rolling plant

# Not every steel is the same.

Only a specialist knowledge about the hardening process and using state-of-the-art equipment enables us to make unique materials for perfect saws.

Böhler Uddeholm Precision Strip has invested in two brand new state-of-the-art hardening lines. These, coupled with the most modern and unique technical processes, guarantee an advantage for the perfect saw strip steel:

- The strips have no physical contact in the heating zones because of the use of vertical muffles (heating tubes).
- No molten metal quench and therefore no scratches on the strip, resulting in the best possible surface.
- Extremely high-powered hydrogen cooling system in quenching, guaranteeing the best micro structure.



Strip hardening line



Strip hardening line



# Bohlerstrip Wood Band Saw Strip

High quality matters.  
And it guarantees long lasting benefits.

Our product range is defined by two product categories, BSC and BSN, each with two different grades of hardness and in a wide range of sizes.

## Properties

### Hardness

Standard 43–45 HRC +/-1 HRC  
Increased 48–50 HRC +/-1 HRC

### Sizes

Width from 40 mm to 311.20 mm  
Thickness from 0.8 mm to 2.26 mm  
(other dimensions on request)

## BSC carbon strip

Carbon strip steel – standard carbon strip for all types of saws

### BSC 44



Grade	Carbon strip steel
Hardness HV (<1.2 mm)	410–460 HV
Hardness	43–45 HRC +/-1 HRC
Width	40 mm–311.20 mm
Thickness	0.8 mm–2.26 mm

### BSC 49

Grade	Carbon strip steel
Hardness HV (<1.2 mm)	480–540 HV
Hardness	48–50 HRC +/-1 HRC
Width	40 mm–311.20 mm
Thickness	0.8 mm–2.26 mm



## BSN nickel strip

Highly developed carbon strip with nickel addition; optimized metallurgical properties for high performance of the saw, especially for saw thickness >1.2mm.

### BSN 44

Grade	Nickel strip steel
Hardness HV (<1.2 mm)	410–460HV
Hardness	43–45 HRC +/-1 HRC
Width	130mm–311.20 mm
Thickness	1.2mm–2.26 mm

### BSN 49

Grade	Nickel strip steel
Hardness HV (<1.2 mm)	480–540HV
Hardness	48–50 HRC +/-1 HRC
Width	130mm–311.20 mm
Thickness	1.2mm–2.26 mm



# Dimensions

Dimension				Weight
Width	Thickness	Width	Thickness	
mm x mm		inch x BWG		kg/m
40.00	x 0.80	1.575	x 0.0315	0.25
35.00	x 0.90	1.378	x 0.0354	0.25
40.00	x 0.90	1.575	x 0.0354	0.28
45.00	x 0.90	1.771	x 0.0354	0.318
50.00	x 0.90	1.969	x 0.0354	0.35
60.00	x 0.90	2.362	x 0.0354	0.42
80.00	x 0.90	3.150	x 0.0354	0.57
35.00	x 1.00	1.378	x 0.0394	0.27
40.00	x 1.00	1.575	x 0.0394	0.31
60.00	x 1.00	2.362	x 0.0394	0.47
70.00	x 1.00	2.756	x 0.0394	0.55
80.00	x 1.00	3.150	x 0.0394	0.63
90.00	x 1.00	3.543	x 0.0394	0.71
100.00	x 1.00	3.937	x 0.0394	0.79
110.00	x 1.00	4.331	x 0.0394	0.86
120.00	x 1.00	4.724	x 0.0394	0.94
80.00	x 1.10	3.150	x 0.0433	0.69
90.00	x 1.10	3.543	x 0.0433	0.78
100.00	x 1.10	3.937	x 0.0433	0.86
110.00	x 1.10	4.331	x 0.0433	0.95
120.00	x 1.10	4.724	x 0.0433	1.04
100.00	x 1.20	3.937	x 0.0472	0.94
120.00	x 1.20	4.724	x 0.0472	1.13
130.00	x 1.20	5.118	x 0.0472	1.22
140.00	x 1.20	5.512	x 0.0472	1.32
150.00	x 1.20	5.906	x 0.0472	1.41
206.40	x 1.20	8.125	x 0.0472	1.94
155.60	x 1.25	6.125	x 18 BWG	1.53
150.00	x 1.30	5.906	x 0.0512	1.53
160.00	x 1.30	6.299	x 0.0512	1.63
155.60	x 1.47	6 1/8	x 17 BWG	1.80
181.00	x 1.47	7 1/8	x 17 BWG	2.09
206.40	x 1.47	8.125	x 17 BWG	2.38
231.80	x 1.47	9.125	x 17 BWG	2.67
260.40	x 1.47	10 1/4	x 17 BWG	3.00
206.40	x 1.65	8 1/8	x 16 BWG	2.67
260.40	x 1.83	10 1/4	x 15 BWG	3.74
311.20	x 1.83	12 1/4	x 15 BWG	4.47
311.20	x 2.11	12 1/4	x 14 BWG	5.15
311.20	x 2.26	12 1/4	x 0.089	5.52

Other dimensions on request.

# Forms of Delivery

## Packaging

In wooden boxes or on pallets. Customized for individual demands.

## Coil weights

Weight	
min.	2.5 kg/mm (140.0 lbs/inch) strip width
max.	4.0 kg/mm (224.0 lbs/inch) strip width

## Standard case weights

Strip Widths	Weight
40–80 mm (1.57"–3.1")	200–350 kg (440–770 lbs) net
≥ 80 mm (≥ 3.1")	1 coil per case



# Quality Assurance

There are many ways of defining quality but only one standard that really matters: Your satisfaction!

## Our target – quality competence

With almost 150 years of experience in converting steel into components for high-grade final products we honor the concept of a good partnership. For us the first step towards an optimum solution is to understand our customers' demands.

Quality is an essential part of our corporate culture, and this is reflected in all areas of our business activities.

Close relationship with customers, reliability and quick decision-making are essential elements of our organisation.

voestalpine Precision Strip has the most up-to-date laboratory and testing knowledge. We are of course certified according to EN ISO 9001 and EN ISO 14001 (environmental approval).



# Bohlerstrip Facts

Words are nice. Facts are better.

## The company

Experience in steel manufacturing – from iron ore saw to steel – the entire production chain is within our group.

Continuous innovation and investment to be one step ahead – we are world market leader in high quality strip steel.

Product developments and new solutions for market demands – our in-house R&D center with profound knowledge in steel processing and application guarantees our success.

Customer care and direct contact with the factory – our global distribution network and experienced outside sales staff take care of your specific issue.

Strip Steel Technology since 1872.

voestalpine Precision Strip GmbH  
Böhlerwerk, Austria, Europe

Production locations in Austria and Sweden.

Production in Europe's most modern cold rolling mill  
in Kematen an der Ybbs, Austria, since 2011.

Stockholding distribution offices in Austria, Sweden,  
China, United States, Spain and Mexico.

Worldwide more than 1,000 employees.

Core business:

Bimetal strip for the metal saw industry  
Special precision strip for different applications  
e.g. for knives, springs, special saws, electronic parts,  
razor blades, scalpels and flapper valves  
Steel rules for the packaging industry  
Rule die steel for the leather and textile industry  
Wood band saw and circular saw steel  
Stone saw steel for marble cutting  
Coating and crêping blades for the pulp and paper industry



Since 2007 member of the voestalpine AG, Austria

Since 2012 member of the voestalpine Metal Forming Division, Krems

2015 renaming from Böhler-Uddeholm Precision Strip GmbH to voestalpine Precision Strip GmbH



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