

The Momentum.

The Evolution.



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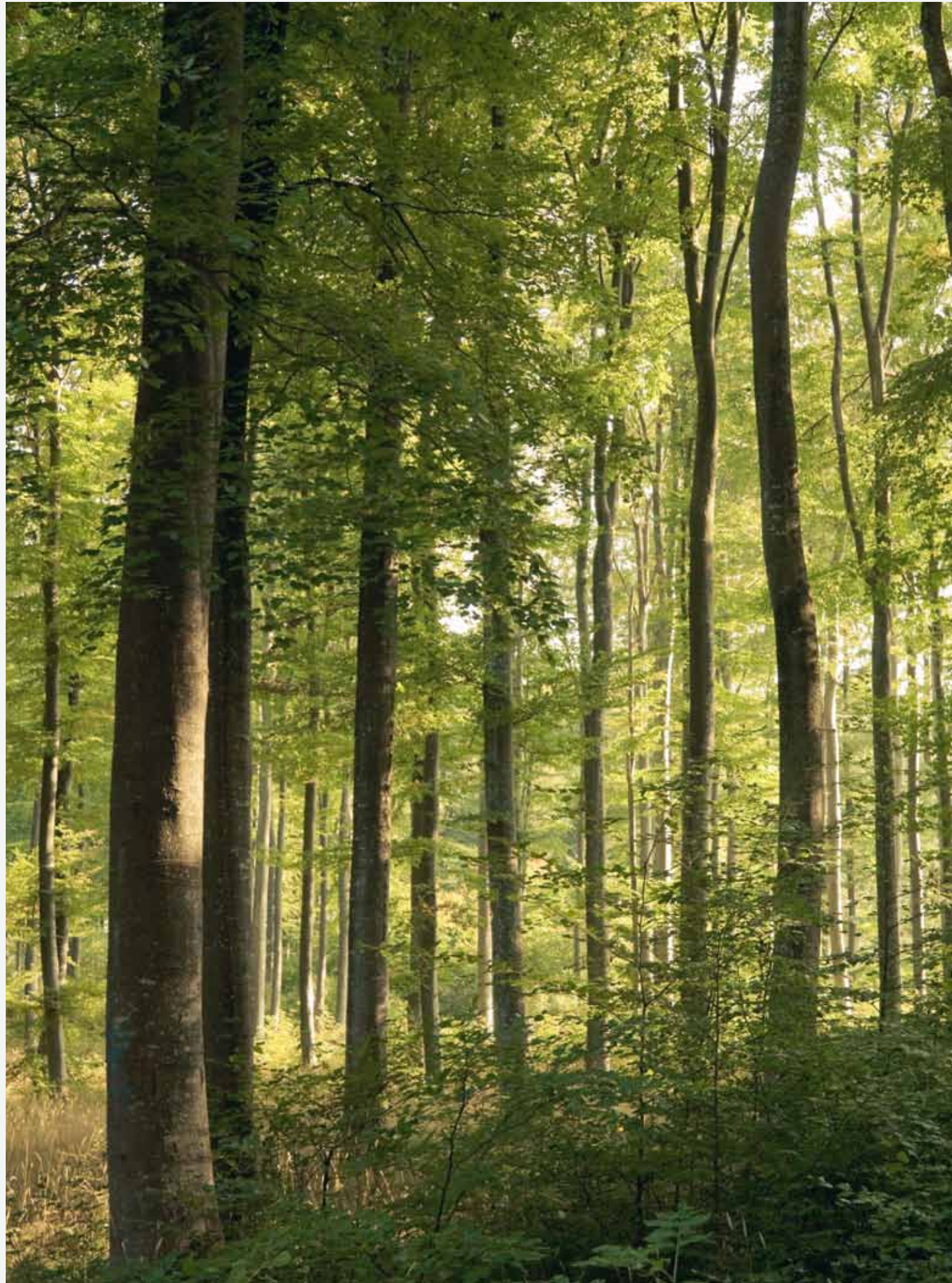
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Wood Band Saw Strip

bohlerstrip®





# Evolution never stops.

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

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

Böhler Uddeholm 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 70,000m<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 70,000m²
- 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



Cold rolling plant



Annealing line



# 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 >1.2 mm.

### BSN 44



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

### BSN 49

Grade	Nickel strip steel
Hardness HV (<1.2 mm)	480–540 HV
Hardness	48–50 HRC +/-1 HRC
Width	130 mm–311.20 mm
Thickness	1.2 mm–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.	2.5kg/mm (140.0lbs/inch) strip width
max.	4.0kg/mm (224.0lbs/inch) strip width

Standard case weights

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



