

martin  miller®

HIGH QUALITY STONE SAW STEEL

Competence for Marble Cutting

voestalpine Precision Strip GmbH
www.martin-miller.com

voestalpine

ONE STEP AHEAD.

martin  miller®



MARTIN MILLER STONE SAW STEEL

We are your preferred supplier for high quality strip steel - best opportunities for your success. Why you can count on us:

- » Martin Miller is a registered trademark of the voestalpine Precision Strip Group, located in Austria. Our clear commitment is to be your long-term partner for the future.
- » We are focussed on supporting our customers with top quality strip steel to produce the best available marble gang saws on the market. As a consequence many actions have been taken to reach this high target.
- » We have invested in a new cold rolling mill and a saw steel competence center in Kematen, Austria, covering 70,000 m² ground floor with state-of-the-art manufacturing equipment.
- » We focus on special strip steel which is used for cutting one big piece into two or more parts, e.g. special wood band saw strip steel for the wood cutting industry, bimetal strip for the metal cutting industry, special stone saw strip for the marble & stone cutting industry, or cutting & creasing 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 entire production chain, from iron ore to special cold rolled strip steel.
- » Service and variety – we constantly extend our product range according to global customer requirements.



YOUR STRIP STEEL BENEFITS

- » Superior life-time of the saw, increased productivity
- » Perfect workability due to optimised flatness and steel structure
- » Best weldability
- » Best performance of the saw
- » High efficiency
- » High, uniform and sustainable blade quality



NEW LASER-MARKED BRAND SIGN

Since 2016 high-quality stone saw steel has been marked using a new technology, working online with several parallel laser beams. The brand sign „martin miller“ appears therefore in a new, very exact and brilliant way.



STRIP STEEL COMPETENCE CENTER KEMATEN, AUSTRIA

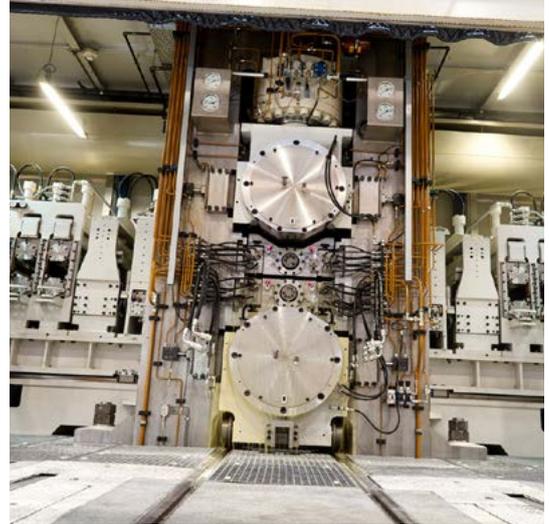
Quality means nothing without competence and the right technology in the background. That is why we have invested in a state-of-the-art production plant – focused on cold-rolled strip steel for high quality saws.

NEW BENEFITS

- » Consistent and continually high quality
- » Improved surface and edge conditions
- » Consistent thickness tolerances along strip steel coil length
- » Uniform and outperforming section profile
- » Increased production capacity

NEW INVESTMENTS

- » € 113 Mio.
- » Floor space 70,000 m²
- » State-of-the-art technology
- » Latest environmental standards



- Annealing furnace ▲
- Cold rolling plant ▲▲
- Edge machining line ►
- Hardening line ▼





SPECIFICATION

Hardness:	43 ± 2 HRC	Type DIN C75S		Type DIN 75Cr1	
		C	0,70 - 0,80%	C	0,70 - 0,80%
Surface:	ground	Si	0,15 - 0,35%	Si	0,15 - 0,35%
		Mn	0,60 - 0,90%	Mn	0,60 - 0,90%
Edge:	90° squared edge with slightly rounded corners	P	0,025%	P	0,025%
		S	0,015%	S	0,015%
		Cr	< 0,25%	Cr	0,30 - 0,40%
		Ni	< 0,20%	Ni	< 0,20%
				Type 75Ni8	
Coils:	Inside diameter: standard 750mm Outside diameter: max. 1.150mm Weight: approx. 700kg	C	0,72 - 0,78%	Si	0,15 - 0,35%
		Mn	0,30 - 0,50%	P	0,025%
		P	0,025%	S	0,010%
		S	0,010%	Cr	< 0,25%
		Cr	< 0,25%	Ni	1,90 - 2,10%
		Ni	1,90 - 2,10%		
Cut to length:	on customer request				

E4

DIMENSIONS

Standard dimensions	Special order dimensions
2,00 x 180 (mm)	1,75 x 180 (mm)
2,50 x 180 (mm)	2,50 x 200 (mm)
3,00 x 180 (mm)	3,00 x 200 (mm)
3,50 x 180 (mm)	3,25 x 180 (mm)
	3,50 x 200 (mm)

Other dimensions on request and depending on order quantity.

MARTIN MILLER STONE SAW STEEL

Our marble stone saw steel is an alloyed strip steel, which is cold rolled, hardened and tempered, and ground on the surface, featuring exceptional flatness and precision edges. With our industry-leading heat treatment expertise, we achieve parallel cross section profiles and best flatness tolerances. Martin Miller's cold-rolled saw steel is renowned world-wide for its extremely homogenous hardness structure.



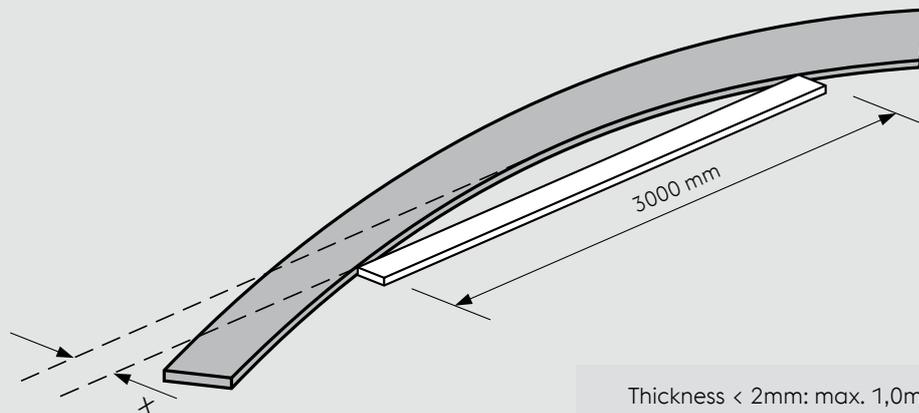
Our experts closely control every single step in the manufacturing process of our world-class gang saw steel. Sustainable, high quality is our key, and our flatness is unmatched in the industry.

TOLERANCES

Thickness

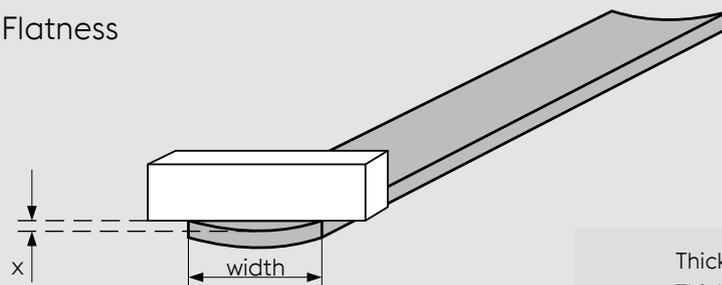
Thickness (mm)	1,5 to < 2,00	2,0 to < 2,5	2,5 to < 3,5	3,5 to 4,0
Tolerance (mm)	± 0,030	± 0,050	± 0,056	± 0,063

Straightness (Edge Camber)



Thickness < 2mm: max. 1,0mm / 3000mm
 Thickness ≥ 2mm: max. 2,3mm / 3000mm

Flatness



Thickness < 2mm: max. 0,05mm
 Thickness ≥ 2mm: max. 0,09mm



Martin Miller is a registered trademark of voestalpine Precision Strip GmbH in Austria.

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