



Cold-rolled steel strip



NON-SLIT

SLIT

CUT SHEETS

Pole sheets

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Cold-rolled steels with guaranteed magnetic properties

Cold-rolled pole sheets are manufactured in the integrated metallurgical facility of voestalpine Stahl GmbH. The most modern manufacturing technologies, continuous quality control systems and intensive research and development guarantee optimized product quality.

Cold-rolled pole sheets feature high yield strength while maintaining higher polarization values. For this reason, cold-rolled pole sheets are used primarily in wind and water power generators.

Convincing advantages

- Excellent magnetic properties
- Low anisotropy
- Highest strengths
- Narrowest flatness and dimensional tolerances
- Best cuttability and punchability

Cold-rolled pole sheets have guaranteed mechanical and magnetic properties. The magnetic properties are certified in accordance with EN 10265. The high total elongation allows the utilization of these grades in applications with high mechanical requirements such as large and/or fast-turning machinery.

Mechanical and magnetic properties

Standard grades according to EN 10265 and voestalpine special grade

Steel grade	Test direction	0.2 % yield strength $R_{p0.2}$ [MPa]	Tensile strength R_m [MPa]	Elongation A_{80} min. [%]	Magnetic polarization [Tesla] Minimum value at field intensity *	
					5000 [A/m]	15000 [A/m]
Standard grades according to EN 10265						
250-TF-183	Transverse	250	325	16	1.60	1.83
300-TF-182	Transverse	300	375	15	1.55	1.82
350-TF-181	Transverse	350	425	13	1.52	1.81
400-TF-180	Transverse	400	450	10	1.50	1.80
voestalpine special grade						
450-TF-179	Transverse	450	500	10	1.48	1.79
500-TF-178	Transverse	500	530	10	1.46	1.78
550-TF-177 ¹⁾	Transverse	550	570	10	1.44	1.77
600-TF-176 ¹⁾	Transverse	600	620	8	1.42	1.76
800-TF-178	Transverse	800	980	6	1.46	1.78

¹⁾ On request

^{*)} DC

Available dimensions

Cold-rolled steels for pole sheets can be supplied starting at a minimum thickness of 0.7 mm up to a maximum thickness of 1.5 mm and a maximum width of 1600 mm.

Please find further information and downloadable files at www.voestalpine.com/Produktinformationsportal.

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ONE STEP AHEAD.