



Wood band saw steel

Sandvik strip steel for the manufacture of wood band saws is characterized by:

- Mechanical properties combining high strength and toughness, which minimize the risk of cracks in connection with spring or swage setting
- Good flatness and excellent straightness
- Straight, smooth edges safe to handle

The strip steel is supplied in coils in two different conditions: Bright polished and Sandvik Multishift™.

Bright polished is already wellknown in the wood industry.

A further development is the high tensile strip steel, Sandvik Multishift™, for stellite tipped saw blades, which offer increased operational reliability and longer intervals between regrindings. See also the brochure about the Sandvik Multishift™ Concept, S-339.

Steel grades

Sandvik 15LM (AISI 1074, W.-Nr. 1.1248) and 15N2 are martensitic carbon steels with 0.75% carbon content.

Finishes

Square, smooth edges.

Maximum unflatness across the strip width.

Bright polished 0.10%

Multishift™ 0.07%

Excellent straightness is obtained by special edge treatment technique.

Mechanical properties

Strip thickness mm	inch	Tensile strength MPa	Hardness HRC
≤1.83	≤0.072	1370–1530	42–46
>1.83	>0.072	1290–1410	40–43
Multishift™		higher than standard	above

Sizes

Standard sizes are shown on back page. Other sizes are obtainable on request.

Branding

On request the strips can be supplied branded SANDVIK MADE IN SWEDEN.

Deviation from straightness

Strip width mm	inch	Maximum deviation from straightness			
		mm / 0.9 m	inch / 3 ft	mm / 3 m	inch / 10 ft
<50	<1.97	0.50	0.020	–	–
50–185	1.97–7.28	0.35	0.014	–	–
>185	>7.28	0.10	0.004	0.6	0.025

A wide range of standard sizes are available from stock

Bright polished

Dimension mm	inch / BWG	Weight kg / m	lb / ft
12.5 x 0.60		0.059	0.090
16.0 x 0.60		0.075	0.050
20.0 x 0.60		0.094	0.063
25.0 x 0.60		0.118	0.079
30.0 x 0.60		0.141	0.095
20.0 x 0.70		0.110	0.074
25.0 x 0.70		0.137	0.092
30.0 x 0.70		0.165	0.111
35.0 x 0.70		0.192	0.129
30 x 0.80		0.188	0.126
40.0 x 0.80		0.251	0.169
45.0 x 0.80		0.283	0.190
76.2 x 0.89	3 x 20 BWG	0.532	0.358
104.8 x 0.89	4 1/8 x 20 BWG	0.732	0.491
45.0 x 0.90		0.318	0.214
50.0 x 0.90		0.353	0.237
60.0 x 0.90		0.424	0.285
60.0 x 1.00		0.471	0.317
70.0 x 1.00		0.550	0.369
80.0 x 1.00		0.628	0.422
90.0 x 1.00		0.707	0.475
100.0 x 1.00		0.785	0.528
110.0 x 1.00		0.864	0.580
120.0 x 1.00		0.942	0.633
104.8 x 1.07	4 1/8 x 19 BWG	0.880	0.592
130.2 x 1.07	5 1/8 x 19 BWG	1.094	0.735
155.6 x 1.07	6 1/8 x 19 BWG	1.307	0.878
80.0 x 1.10		0.691	0.464
90.0 x 1.10		0.777	0.522
100.0 x 1.10		0.864	0.580
110.0 x 1.10		0.950	0.638
120.0 x 1.10		1.036	0.696
100.0 x 1.20		0.942	0.633
114.3 x 1.20		1.077	0.724
120.0 x 1.20		1.130	0.760
130.0 x 1.20		1.225	0.823
150.0 x 1.20		1.413	0.950

Bright polished

Dimension mm	inch / BWG	Weight kg / m	lb / ft
130.2 x 1.25	5 1/8 x 18 BWG	1.278	0.859
155.6 x 1.25	6 1/8 x 18 BWG	1.527	1.026
181.0 x 1.25	7 1/8 x 18 BWG	1.776	1.194
206.4 x 1.25	8 1/8 x 18 BWG	2.025	1.361
150.0 x 1.30		1.531	1.029
155.6 x 1.47	6 1/8 x 17 BWG	1.796	1.207
181.0 x 1.47	7 1/8 x 17 BWG	2.089	1.404
206.4 x 1.47	8 1/8 x 17 BWG	2.382	1.601
231.8 x 1.47	9 1/8 x 17 BWG	2.675	1.798
260.4 x 1.47	10 1/4 x 17 BWG	3.005	2.019
206.4 x 1.65	8 1/8 x 16 BWG	2.673	1.796
231.8 x 1.65	9 1/8 x 16 BWG	3.002	2.018
260.4 x 1.65	10 1/4 x 16 BWG	3.373	2.266
285.8 x 1.65	11 1/4 x 16 BWG	3.702	2.488
311.2 x 1.65	12 1/4 x 16 BWG	4.031	2.709
231.8 x 1.83	9 1/8 x 15 BWG	3.330	2.238
260.4 x 1.83	10 1/4 x 15 BWG	3.741	2.514
285.8 x 1.83	11 1/4 x 15 BWG	4.106	2.759
311.2 x 1.83	12 1/4 x 15 BWG	4.471	3.004
260.4 x 1.98	10 1/4 x 0.078	4.047	2.711
285.8 x 1.98	11 1/4 x 0.078	4.442	2.985
311.2 x 1.98	12 1/4 x 0.078	4.837	3.250
285.8 x 2.11	11 1/4 x 14 BWG	4.734	3.172
311.2 x 2.11	12 1/4 x 14 BWG	5.155	3.464
336.6 x 2.11	13 1/4 x 14 BWG	5.575	3.746
362.0 x 2.11	14 1/4 x 14 BWG	5.996	4.029
311.2 x 2.26	12 1/4 x 0.089	5.521	3.699
362.0 x 2.26	14 1/4 x 0.089	6.422	4.316
311.2 x 2.41	12 1/4 x 13 BWG	5.887	3.956
336.6 x 2.41	13 1/4 x 13 BWG	6.368	4.279
362.0 x 2.41	14 1/4 x 13 BWG	6.849	4.602
387.4 x 2.41	15 1/4 x 13 BWG	7.329	4.925
412.8 x 2.41	16 1/4 x 13 BWG	7.810	5.249
412.8 x 2.77	16 1/4 x 12 BWG	8.976	6.032
412.8 x 3.05	16 1/4 x 11 BWG	9.884	6.641

Multishift™

Dimension mm	Correspond to inch / BWG	Weight kg/m	lb/ft
80 x 0.8	3 x 21	0.502	0.337
100 x 0.8	4 x 21	0.628	0.422
130 x 0.8	5 x 21	0.816	0.548
100 x 1.0	4 x 19	0.785	0.527
130 x 1.0	5 x 19	1.021	0.686
150 x 1.0	6 x 19	1.178	0.792
150 x 1.2	6 x 18	1.413	0.949
180 x 1.2	7 x 18	1.696	1.140
200 x 1.2	8 x 18	1.884	1.266
260 x 1.2	10 x 18	2.449	1.646
180 x 1.4	7 x 17	1.978	1.329
200 x 1.4	8 x 17	2.198	1.477

Multishift™

Dimension mm	Correspond to inch / BWG	Weight kg/m	lb/ft
230 x 1.4	9 x 17	2.528	1.699
260 x 1.4	10 x 17	2.857	1.920
200 x 1.6	8 x 16	2.512	1.688
230 x 1.6	9 x 16	2.889	1.941
260 x 1.6	10 x 16	3.266	2.195
310 x 1.6	12 x 16	3.894	2.617
260 x 1.8	10 x 15	3.674	2.469
280 x 1.8	11 x 15	3.956	2.658
310 x 1.8	12 x 15	4.380	2.943
360 x 1.8	14 x 15	5.087	3.418
310 x 2.1	12 x 14	5.110	3.434
360 x 2.1	14 x 14	5.935	3.988



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