

Average Strains For Bandsaws

Saw Gauge and Width	Strain	Top Wheel & Arbor Weight	Total Strain	Wheel Diameter
18 ga.x6"	2,940	950	3,890	54
18 ga.x7"	3,430	950	4,380	54
18 ga.x8"	3,920	950	4,870	54
17 ga.x6"	3,480	950	4,430	54
17 ga.x7"	4,060	950	5,010	54
17 ga.x8"	4,640	950	5,590	54
17 ga.x9"	5,220	950	6,170	54
17 ga.x10"	5,800	950	6,750	54
16 ga.x8"	5,200	1,450	6,650	60
16 ga.x9"	5,850	1,450	7,300	60
16 ga.x10"	6,500	1,450	7,950	60
16 ga.x11"	7,150	1,450	8,600	60
15 ga.x10"	7,200	2,500	9,700	72
15 ga.x11"	7,920	2,500	10,420	72
15 ga.x12"	8,640	2,500	11,140	72
14 ga.x11"	9,130	3,050	12,180	84
14 ga.x12"	9,960	3,050	13,010	84
14 ga.x13"	10,790	3,050	13,840	84
14 ga.x14"	11,620	3,050	14,670	84
13 ga.x12"	11,400	3,600	15,000	96
13 ga.x13"	12,350	3,600	15,950	96
13 ga.x14"	13,300	3,600	16,900	96
13 ga.x15"	14,250	3,600	17,850	96
12 ga.x16"	17,440	4,950	22,390	108
11 ga.x16"	19,200	4,950	24,150	108
11 ga.x16"	19,200	5,900	25,100	120

The formula for calculating strain is thickness of the plate in thousandths times the width in inches multiplied by 10. 25% to 50% may be added to the strains shown above at the discretion of the saw filer.

Thickness of Saw in Relation to Band Wheel Diameter

Wheel Diameter			Saw Thickness		
Feet	Inches	Meter	Gauge	Inches	MM
4-1/2	54	1.391	18	.049	1.245
5	60	1.524	17	.058	1.473
6	72	1.828	15	.072	1.829
7	84	2.133	14	.083	2.108
8	96	2.438	13	.095	2.413
9	108	2.743	12	.109	2.769
10	120	3.048	11	.120	3.048

Stock Wide Band Saw Steel

Width	Gauge	Inches
3-5"	20	.035
3-5	19	.042
3-5	18	.049
6"	19	.042
6	18	.049
6	17	.058
7"	18	.049
7	17	.058
7	16	.065
8"	18	.049
8	17	.058
8	16	.065
8	15	.072
9"	17	.058
9	16	.065
9	15	.072
10"	18	.049
10	17	.058
10	16	.065
10	15	.072
10	.078	.078
10	14	.083
11"	16	.065
11	15	.072
11	.078	.078
11	14	.083
12"	16	.065
12	15	.072
12	.078	.078
12	14	.083
12	.089	.089
12	13	.095
13"	16	.065
13	15	.072
13	14	.083
13	13	.095
14"	16	.065
14	15	.072
14	14	.083
14	13	.095
14	12	.109
15"	14	.083
15	13	.095
15	12	.109
16"	14	.083
16	13	.095
16	12	.109

Available in Single Cut, Double Cut, Sliver Tooth

Saws with intermediate widths are priced using next higher width.

Split gauge saws not listed,, subject to factory approval, use next thicker gauge.



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