



# Speeds for Bi-Metal Band Saw Blades

**CLE-LINE.**

Type of Material	Under 1"		1" to 3"		3" to 6"		6" - Over	
	Blade Speed (SFM)	Removal Rate (in <sup>2</sup> /min.)	Blade Speed (SFM)	Removal Rate (in <sup>2</sup> /min.)	Blade Speed (SFM)	Removal Rate (in <sup>2</sup> /min.)	Blade Speed (SFM)	Removal Rate (in <sup>2</sup> /min.)
<b>Special Purpose Steel</b>								
L2, L6	210	3-5	210	4 - 7	190	5 - 8	175	4 - 7
L7	200	3 - 5	190	4 - 6	180	4 - 7	130	3 - 6
<b>Water Hardening Steel</b>								
W1	265	3 - 6	240	5 - 7	220	5 - 7	180	3 - 5
<b>High Speed Steel</b>								
M1, M2, M7	165	2 - 4	150	2 - 5	145	3 - 6	100	3 - 5
M3, M4, M10	125	2 - 4	100	2 - 5	100	3 - 5	80	3 - 4
M30, M33	100	1 - 3	90	2 - 3	75	2 - 3	70	1 - 3
M41, M42, M43	100	1 - 3	90	1 - 3	75	1 - 4	70	1 - 3
T1, T2	150	2 - 4	135	2 - 4	120	2 - 5	100	2 - 4
T4, T5, T6	125	1 - 3	110	1 - 4	100	2 - 4	85	1 - 3
T15, M15	90	1 - 3	70	1 - 3	60	1 - 3	50	1 - 2
<b>Austenitic Stainless Steel</b>								
201, 202, 301 - 304	135	3 - 4	120	2 - 5	120	3 - 6	85	2 - 4
303, 303F, 303Se	160	3 - 6	140	3 - 6	135	4 - 6	90	3 - 5
305, 308 - 314	100	1 - 2	85	1 - 2	75	1 - 3	65	1 - 2
316, 317, 329	100	1 - 2	90	1 - 2	80	1 - 3	60	1 - 2
321, 347, 348	140	2 - 4	125	2 - 5	120	3 - 6	90	2 - 4
330	85	1 - 2	65	1 - 3	55	1 - 4	45	1 - 2
<b>Ferritic Stainless Steel</b>								
429, 430	120	2 - 4	100	3 - 4	90	3 - 6	75	2 - 4
430F, 430FSe	130	3 - 5	115	5 - 6	100	5 - 7	90	4 - 6
434, 436	100	2 - 4	80	3 - 4	75	3 - 5	55	3 - 4
442	110	2 - 4	85	3 - 5	75	3 - 6	60	3 - 5
446	90	2 - 4	70	3 - 4	60	2 - 5	50	1 - 3
<b>Martensitic Stainless</b>								
403, 410, 420	170	2 - 5	155	3 - 6	145	3 - 7	100	2 - 4
414, 416Se	235	5 - 9	210	6 - 9	195	7 - 11	170	5 - 9
420F, 416	220	3 - 8	200	5 - 9	190	6 - 10	150	4 - 8
440A, B, C	130	2 - 4	120	2 - 6	110	3 - 7	70	1 - 4
501, 502	135	1 - 2	120	2 - 4	100	3 - 4	80	2 - 3
<b>Nickel Based Alloys</b>								
Monel	100	1 - 4	90	1 - 4	85	2 - 4	65	1 - 3
K-Monel	115	1 - 4	90	1 - 4	70	2 - 4	50	1 - 2
R-Monel	130	2 - 4	100	2 - 5	90	3 - 5	60	1 - 4
K-R Monel	115	1 - 4	100	1 - 4	100	2 - 5	65	1 - 3
Inconel	105	2 - 4	90	2 - 4	75	2 - 3	50	1 - 2
Inconel 625-x-750	95	1 - 2	80	1 - 2	70	1 - 2	40	1
Inconel 718	95	1 - 2	80	1 - 2	70	1 - 2	40	1
Incoloy 800 - 802	95	1 - 2	75	1 - 2	60	1 - 2	35	1
Incoloy 804 - 825	60	1	40	1 - 2	40	1 - 2	30	1
Waspalloy	100	1	90	1 - 2	70	1 - 2	50	1
Hastelloy A	130	2 - 3	110	3 - 4	100	4 - 6	70	1 - 3
Hastelloy B	110	1 - 2	80	1 - 3	75	1 - 4	60	1 - 2
Hastelloy C	100	1 - 2	90	1 - 2	80	1 - 2	65	1
Rene 41	90	1	80	1 - 2	60	1 - 2	50	1
Udimet 500	95	1	80	1 - 2	70	1 - 2	60	1
<b>Titanium</b>								
6AL 4V	65	.5-1	50	1 - 2	50	1 - 2	40	.5 - 1
<b>Maraging Steel</b>								
Most	190	3 - 4	145	4 - 6	110	6 - 7	90	4 - 6
<b>Bronze</b>								
Most	230	6 - 9	205	10 - 12	180	10 - 12	140	7 - 9
Aluminum Bronze	100	2 - 4	95	3 - 4	85	3 - 5	70	3 - 4
<b>Aluminum</b>								
Most	800		700		600		500	
<b>Cast Iron</b>								
Class 20	210	9 - 12	200	11 - 15	180	11 - 15	160	10 - 14
Class 40	170	7 - 9	160	7 - 10	140	8 - 12	120	7 - 11
Ductile 60-40-18, 150 HB	240	6 - 8	230	8 - 10	230	8 - 10	220	6 - 7
Ductile 80-55-06, 225 HB	140	3 - 4	130	4 - 5	120	5 - 7	110	3 - 5



**gfii.com**

Phone 800.348.2885 • Fax 800.892.4290

Greenfield Industries, Inc.  
2501 Davis Creek Road, Seneca, SC 29678 USA  
standard.distributors@gfii.com national.distributors@gfii.com