BES CUTTER CANADA

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Fiber Laser Maximum Cutting Capacity

Carbon Steel

500W				750W				1000W				1500W				2000W			
Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed	
mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min
1	0.039	11	433	1	0.039	15	591	1	0.039	15	591	1	0.039	25	984	1	0.039	28	1102
2	0.079	4	157	2	0.079	5	197	2	0.079	6	236	2	0.079	7	276	2	0.079	8.5	335
3	0.118	2.2	87	3	0.118	2.5	98	3	0.118	3.5	138	3	0.118	4	157	3	0.118	4.2	165
4	0.157	1.3	51	4	0.157	1.7	67	4	0.157	2	79	4	0.157	2.7	106	4	0.157	3.2	126
5	0.197	1	39	5	0.197	1.5	59	5	0.197	1.7	67	5	0.197	2	79	5	0.197	2.6	102
6	0.236	0.8	31	6	0.236	1.2	47	6	0.236	1.3	51	6	0.236	1.5	59	6	0.236	1.9	75
				8	0.315	0.7	28	8	0.315	0.9	35	8	0.315	1.1	43	8	0.315	1.3	51
								10	0.394	0.7	28	10	0.394	0.9	35	10	0.394	1.1	43
								12	0.472	0.6	24	12	0.472	0.8	31	12	0.472	1	39
												14	0.551	0.6	24	14	0.551	0.7	28
												16	0.630	0.4	16	16	0.630	0.6	24
																18	0.709	0.5	20

3000W				4000W				6000W				10000W				12000W			
Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed	
mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min
1	0.039	32	1260	1	0.039	35	1378	1	0.039	50	1969	1	0.039	60	2362	1	0.039	70	2756
2	0.079	16	630	2	0.079	18	709	2	0.079	25	984	2	0.079	40	1575	2	0.079	45	1772
3	0.118	4.5	177	3	0.118	5	197	3	0.118	10	394	3	0.118	30	1181	3	0.118	33	1299
4	0.157	4.2	165	4	0.157	4.7	185	4	0.157	6	236	4	0.157	20	787	4	0.157	22	866
5	0.197	3	118	5	0.197	3.4	134	5	0.197	3.7	146	5	0.197	15	591	5	0.197	17	669
6	0.236	2.4	94	6	0.236	2.6	102	6	0.236	3.2	126	6	0.236	11	433	6	0.236	13	512
8	0.315	1.6	63	8	0.315	2.2	87	8	0.315	2.5	98	8	0.315	7	276	8	0.315	8	315
10	0.394	1.3	51	10	0.394	1.5	59	10	0.394	1.8	71	10	0.394	2	79	10	0.394	2.2	87
12	0.472	1.1	43	12	0.472	1.2	47	12	0.472	1.5	59	12	0.472	1.8	71	12	0.472	2	79
14	0.551	0.8	31	14	0.551	0.9	35	14	0.551	1.1	43	14	0.551	1.5	59	14	0.551	1.5	59
16	0.630	0.7	28	16	0.630	0.8	31	16	0.630	1	39	16	0.630	1.3	51	16	0.630	1.3	51
18	0.709	0.6	24	18	0.709	0.7	28	18	0.709	0.8	31	18	0.709	1.1	43	18	0.709	1.1	43
20	0.787	0.5	20	20	0.787	0.6	24	20	0.787	0.7	28	20	0.787	0.8	31	20	0.787	0.8	31
				22	0.866	0.5	20	22	0.866	0.6	24	22	0.866	0.7	28	22	0.866	0.7	28
								25	0.984	0.5	20	25	0.984	0.6	24	25	0.984	0.6	24

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Stainless Steel

500W				750W				1000W				1500W				2000W			
Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed	
mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min
1	0.039	15	591	1	0.039	16	630	1	0.039	17	669	1	0.039	20	787	1	0.039	30	1181
2	0.079	2.8	110	2	0.079	5.5	217	2	0.079	6	236	2	0.079	7	276	2	0.079	9.5	374
3	0.118	0.7	28	3	0.118	1.5	59	3	0.118	2.5	98	3	0.118	3.5	138	3	0.118	5.5	217
				4	0.157	0.6	24	4	0.157	1.2	47	4	0.157	1.3	51	4	0.157	3.2	126
								5	0.197	0.6	24	5	0.197	0.7	28	5	0.197	1.7	67
												6	0.236	0.6	24	6	0.236	1.3	51
																8	0.315	0.7	28

3000W				4000W				6000W				10000W				12000W			
Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed	
mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min
1	0.039	35	1378	1	0.039	40	1575	1	0.039	60	2362	1	0.039	-	-	1	0.039	-	-
2	0.079	13	512	2	0.079	15	591	2	0.079	25	984	2	0.079	39	1535	2	0.079	45	1772
3	0.118	7	276	3	0.118	9	354	3	0.118	16	630	3	0.118	25	984	3	0.118	33	1299
4	0.157	4.5	177	4	0.157	6	236	4	0.157	11	433	4	0.157	20	787	4	0.157	24	945
5	0.197	3.3	130	5	0.197	3.7	146	5	0.197	7	276	5	0.197	14	551	5	0.197	17	669
6	0.236	2.3	91	6	0.236	3	118	6	0.236	4.2	165	6	0.236	11	433	6	0.236	13	512
8	0.315	1.2	47	8	0.315	1.7	67	8	0.315	2.7	106	8	0.315	7.5	295	8	0.315	8	315
10	0.394	0.8	31	10	0.394	0.9	35	10	0.394	1.7	67	10	0.394	5	197	10	0.394	7	276
				12	0.472	0.5	20	12	0.472	1.2	47	12	0.472	3.5	138	12	0.472	4.5	177
								14	0.551	0.9	35	14	0.551	1.8	71	14	0.551	2.7	106
								16	0.630	0.6	24	16	0.630	1.5	59	16	0.630	2.2	87
												20	0.787	1.1	43	20	0.787	1.6	63
												25	0.984	0.5	20	25	0.984	0.8	31
												30	1.181	0.4	16	30	1.181	0.6	24
																40	1.575	0.5	20

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Aluminium

500W				750W				1000W				1500W				2000W			
Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed	
mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min
1	0.039	3	118	1	0.039	8	315	1	0.039	9	354	1	0.039	15	591	1	0.039	20	787
				2	0.079	2	79	2	0.079	4.8	189	2	0.079	5	197	2	0.079	7.5	295
								3	0.118	1.2	47	3	0.118	2	79	3	0.118	5	197
												4	0.157	1.3	51	4	0.157	2.75	108
																6	0.236	1.2	47

3000W				4000W				6000W				10000W				12000W			
Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed	
mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min
1	0.039	25	984	1	0.039	32	1260	1	0.039	50	1969	1	0.039	60	2362	1	0.039	70	2756
2	0.079	10	394	2	0.079	13	512	2	0.079	27	1063	2	0.079	39	1535	2	0.079	40	1575
3	0.118	7.2	283	3	0.118	7.7	303	3	0.118	14	551	3	0.118	25	984	3	0.118	30	1181
4	0.157	3.6	142	4	0.157	4.2	165	4	0.157	9	354	4	0.157	20	787	4	0.157	22	866
6	0.236	1.8	71	6	0.236	1.9	75	6	0.236	3.7	146	6	0.236	10	394	6	0.236	11	433
8	0.315	0.9	35	8	0.315	1	39	8	0.315	2.7	106	8	0.315	7.8	307	8	0.315	8	315
				10	0.394	0.6	24	10	0.394	1.7	67	10	0.394	5	197	10	0.394	7	276
								12	0.472	1.2	47	12	0.472	3.5	138	12	0.472	4.5	177
												16	0.630	1.5	59	16	0.630	2.3	91
												20	0.787	1.1	43	20	0.787	1.5	59
												25	0.984	0.5	20	25	0.984	0.8	31
												30	1.181	0.4	16	30	1.181	0.6	24
																40	1.575	0.5	20

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Brass

500W				750W				1000W				1500W				2000W			
Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed	
mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min
1	0.039	-	-	1	0.039	8	315	1	0.039	11	433	1	0.039	12.5	492	1	0.039	20	787
				1.5	0.059	4.5	177	2	0.079	4.8	189	2	0.079	6	236	2	0.079	8.5	335
								3	0.118	1.2	47	3	0.118	1.7	67	3	0.118	3.5	138
																5	0.197	1.5	59
																6	0.236	0.7	28

3000W				4000W				6000W				4000W				6000W			
Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed	
mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min
1	0.039	20	787	1	0.039	25	984	1	0.039	40	1575	1	0.039	50	1969	1	0.039	60	2362
2	0.079	10	394	2	0.079	12	472	2	0.079	20	787	2	0.079	34	1339	2	0.079	35	1378
3	0.118	6	236	3	0.118	7	276	3	0.118	8	315	3	0.118	20	787	3	0.118	28	1102
5	0.197	2	79	5	0.197	2.1	83	5	0.197	3	118	5	0.197	10	394	5	0.197	13	512
6	0.236	1.2	47	6	0.236	1.3	51	6	0.236	1.7	67	6	0.236	8	315	6	0.236	9	354
8	0.315	0.6	24	8	0.315	0.7	28	8	0.315	1	39	8	0.315	6	236	8	0.315	6	236
												10	0.394	3	118	10	0.394	4.5	177
												12	0.472	1.7	67	12	0.472	3.1	122
												14	0.551	1.2	47	14	0.551	1.8	71
												16	0.630	0.7	28	16	0.630	1.4	55

Galvanized Steel

500W				750W				1000W				1500W				2000W			
Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed		Thickness		Approx. Speed	
mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min	mm	inch	m/min	inch/min
1	0.039	7.5	295	1	0.039	10	394	1	0.039	15	591	1	0.039	20	787	1	0.039	25	984
2	0.079	1.7	67	2	0.079	3.5	138	2	0.079	5	197	2	0.079	5	197	2	0.079	8.5	335
3	0.118	0.3	12	3	0.118	1.5	59	3	0.118	1.5	59	3	0.118	1.5	59	3	0.118	4.5	177

3000W				6000W			
Thickness		Approx. Speed		Thickness		Approx. Speed	
mm	inch	m/min	inch/min	mm	inch	m/min	inch/min
1	0.039	25	984	1	0.039	32	1260
2	0.079	12	472	2	0.079	15	591
3	0.118	6.5	256	3	0.118	6.5	256