

BesCutter Fiber Laser Cutting Parameter Reference (2018.8.9)

note: bottom row in table lists max cutting capacity, not the best quality cut capacity. Move up one row for quality cut capacity.

500W			750W			1000W			1500W			2000W/2200W			3000W/3300W			4000W			6000W			10000W			12000W														
Thickness (Inch)	Speed (In/min)	Gas	Thickness (Inch)	Speed (In/min)	Gas	Thickness (Inch)	Speed (In/min)	Gas	Thickness (Inch)	Speed (In/min)	Gas	Thickness (Inch)	Speed (In/min)	Gas	Thickness (Inch)	Speed (In/min)	Gas	Thickness (Inch)	Speed (In/min)	Gas	Thickness (Inch)	Speed (In/min)	Gas	Thickness (Inch)	Speed (In/min)	Gas	Thickness (Inch)	Speed (In/min)	Gas												
Carbon Steel			Carbon Steel			Carbon Steel			Carbon Steel			Carbon Steel			Carbon Steel			Carbon Steel			Carbon Steel			Carbon Steel			Carbon Steel			Carbon Steel											
0.039	394-472	O2	0.039	591.0	O2	0.039	591.0	O2	0.039	984.0	N2	0.039	1102.0	N2	0.039	1260.0	N2	0.039	1378.0	N2	0.039	1969.0	N2	0.039	2362.0	N2	0.039	2756.0	N2	0.039	2756.0	N2	0.039	2756.0	N2						
0.071	150-165	O2																																							
0.118	79-98	O2	0.079	236.0	O2	0.079	197-276	O2	0.079	236-315	O2	0.079	315-354	O2	0.079	591-669	N2	0.079	630-787	N2	0.079	984-1181	N2	0.079	1575.0	N2	0.079	1772.0	N2	0.079	1772.0	N2	0.079	1772.0	N2	0.079	1772.0	N2			
0.157	47-59	O2	0.118	79-118	O2	0.118	118-157	O2	0.118	157-177	O2	0.118	197.0	O2	0.118	177.0	O2	0.118	177-197	O2	0.118	394-472	O2	0.118	1181.0	N2	0.118	1181.0	N2	0.118	1299.0	N2	0.118	1299.0	N2	0.118	1299.0	N2	0.118	1299.0	N2
0.197	35-47	O2	0.157	59-79	O2	0.157	79.0	O2	0.157	98-118	O2	0.157	118-138	O2	0.157	118-138	O2	0.157	118-138	O2	0.157	118-146	O2	0.157	138-157	O2	0.157	1181.0	N2	0.157	1181.0	N2	0.157	1181.0	N2	0.157	1181.0	N2	0.157	1181.0	N2
0.236	28-38	O2	0.197	59.0	O2	0.197	59-71	O2	0.197	79.0	O2	0.197	98-110	O2	0.197	98-110	O2	0.197	98-138	O2	0.197	118-146	O2	0.197	138-157	O2	0.197	138-157	O2	0.197	138-157	O2	0.197	138-157	O2	0.197	138-157	O2	0.197	138-157	O2
			0.236	39-59	O2	0.236	47-59	O2	0.236	59.0	O2	0.236	71-79	O2	0.236	71-79	O2	0.236	71-110	O2	0.236	87-118	O2	0.236	126.0	O2	0.236	433.0	N2	0.236	433.0	N2	0.236	433.0	N2	0.236	433.0	N2	0.236	433.0	N2
			0.276	31-39	O2	0.276	35-47	O2	0.276	*	O2	0.276	59.0	O2	0.276	59.0	O2	0.276	59.0	O2	0.276	59.0	O2	0.276	59.0	O2	0.276	59.0	O2	0.276	59.0	O2	0.276	59.0	O2	0.276	59.0	O2			
			0.315	24-31	O2	0.315	35.0	O2	0.315	39-47	O2	0.315	51.0	O2	0.315	51.0	O2	0.315	59-71	O2	0.315	79-98	O2	0.315	98.0	O2	0.315	276.0	N2	0.315	276.0	N2	0.315	276.0	N2	0.315	276.0	N2	0.315	276.0	N2
			0.394	28.0	O2	0.394	28.0	O2	0.394	28.0	O2	0.394	43.0	O2	0.394	47-59	O2	0.394	47-59	O2	0.394	55-63	O2	0.394	67-79	O2	0.394	87.0	O2	0.394	87.0	O2	0.394	87.0	O2	0.394	87.0	O2	0.394	87.0	O2
			0.472	24.0	O2	0.472	24.0	O2	0.472	24.0	O2	0.472	31-39	O2	0.472	31-47	O2	0.472	31-47	O2	0.472	31-47	O2	0.472	51-63	O2	0.472	79.0	O2	0.472	79.0	O2	0.472	79.0	O2	0.472	79.0	O2	0.472	79.0	O2