

Cutting Speed Chart

Torch Model		SL100®		The cut speeds in the charts below are representative of results when using new consumables, a quality torch height control, and a well maintained plasma system and cutting machine.	
Recommended Cutting Capacity		5/16" (8mm)			
Maximum Pierce Cutting Capacity		1/2" (12mm)			
Max Cutting Capacity (edge start)		1" (25mm)			
Material	Thickness [inch]	Best Cut Speed [IPM]	Current [Amps]	Thickness [mm]	Best Cut Speed [m/min]
Mild Steel					
Air	16 ga.	180	20	1.5	4.57
	16 ga.	240	30	1.5	6.10
	10 ga.	175	40	3	4.45
	16 ga.	350	60	1.5	8.89
	10 ga.	175		3	4.45
	7 ga.	125		5	3.18
	5/16	75		8	1.91
	3/8	44		10	1.12
	1/2	23		12	0.58
	3/4	11		20	0.28
Stainless Steel					
Air	16 ga.	180	20	1.5	4.57
	16 ga.	240	30	1.5	6.10
	10 ga.	175	40	3	4.45
	16 ga.	350	60	1.5	8.89
	10 ga.	150		3	3.81
	7 ga.	110		5	2.79
	5/16	62		8	1.57
	3/8	35		10	0.89
	1/2	20		12	0.51
	3/4	10		20	0.25
Aluminum					
Air	16 ga.	180	20	1.5	4.57
	16 ga.	240	30	1.5	6.10
	10 ga.	175	40	3	4.45
	16 ga.	350	60	1.5	8.89
	10 ga.	175		3	4.45
	7 ga.	125		5	3.18
	5/16	75		8	1.91
	3/8	44		10	1.12
	1/2	23		12	0.58
	3/4	11		20	0.28

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