


**Table 1. SC12 Series Heavy-Duty Cutting Tips – Acetylene (One Piece)**

 **High gas withdrawal rates will require cylinder manifolding. Consult your gas supplier.**

Tip Number	Metal Thickness		Pressure – psig				Kerf Width	Consumption – scfh			Speed IPM	Drill Size	
			Cutting Oxygen		Preheat			Oxygen		Fuel Preheat		Cutting Jet	Preheat
	in.	mm	Reg.	Torch	Oxygen	Acet.		Cutting	Preheat	Preheat			
SC12-00	3/16	5	20	20	10†	10	.050	24	7	6.5	26	68	75
SC12-0	1/4	6	30	30	10†	10	.055	40	7.5	7	22	62	74
SC12-0	3/8	10	35	35	10†	10	.055	50	7.5	7	20	62	74
SC12-1	1/2	13	35	35	10†	10	.080	75	11	9.5	19	56	71
SC12-1	5/8	16	40	40	10†	10	.080	85	11	9.5	17	56	71
SC12-2	3/4	19	36	35	10†	10	.095	105	12	10.5	16	54	70
SC12-2	1	25	41	40	10†	10	.095	115	12	10.5	14	54	70
SC12-2	1-1/4	32	51	50	10†	10	.095	135	12	10.5	13	54	70
SC12-3	1-1/2	38	42	40	10†	10	.100	170	14	12	12	51	68
SC12-3	2	51	47	45	10†	10	.100	180	14	12	10	51	68
SC12-4	2-1/2	64	38	35	10†	10	.125	240	15	13	9	45	62
SC12-4	3	76	44	40	10†	10	.125	265	15	13	8	45	62
SC12-4	4	102	54	50	10†	10	.125	315	16	14	7	45	62
SC12-5	5	127	56	50	10†	10	.150	420	30	26*	7	41	57
SC12-5	6	152	67	60	10†	10	.150	485	30	26*	6	41	57
SC12-5	8	203	78	70	10†	10	.150	550	30	26*	5.5	41	57
SC12-6	10	254	83	70	10†	10	.230	750	32	28*	5	32	57
SC12-6	12	305	125	90	10†	10	.230	975	32	28*	4.5	32	57

† Listed pressure for 3-hose machine cutting torches only. \* Minimum of one 350 cubic ft. cylinder