

## Heavy Duty "SG" / Propane, Natural Gas

### SC50 General and Heavy Cutting

Heavy preheat two-piece cutting tip series for hand and machine cutting up to 20" (508mm) thick steel.

**USE IN:** Cutting Attachments - DG200 & SC200 Series  
 (Maximum size SC50-5) All SC & DG Series Hand Torches.  
 2-Hose Machine Cutting Torches (Maximum size SC50-6)  
 All 3-Hose Machine Cutting Torches.

**Oxy-Propane  
 Oxy-Natural Gas**



**SC50 Series - Heavy Preheat - Two-Piece**

**CAUTION:** When using liquid oxygen, tips may require greater gas volume than a single cylinder is capable of producing. External evaporators or manifolding multiple cylinders may be necessary to supply sufficient gas flows.

Tips

PROPANE

Tip Number	Metal Thickness		Pressure - PSIG				Kerf Width	Gas Consumption - SCFH			Speed I.P.M.	Drill Size Cutting Jet	Recm'd No. of Fuel Gas Cyls.*
			Cutting Oxygen		Preheat			Oxygen		Fuel			
			Reg.	Torch	Oxy	Propane		Cutting	Preheat	Preheat			
SC50-0	1/4"	6	30	30	10†	10	.055	40	47	13	22	62	1
SC50-0	3/8"	10	35	35	10†	10	.055	50	47	13	20	62	1
SC50-1	1/2"	13	35	35	10†	10	.080	75	70	15	19	56	1
SC50-1	5/8"	16	40	40	10†	10	.080	85	70	15	17	56	1
SC50-2	3/4"	19	36	35	10†	10	.095	105	70	15	16	54	1
SC50-2	1"	25.4	41	40	10†	10	.095	115	70	15	14	54	1
SC50-2	1-1/4"	32	51	50	10†	10	.095	135	75	16	13	54	1
SC50-3	1-1/2"	38	42	40	10†	10	.100	170	75	16	12	51	1
SC50-3	2"	51	47	45	10†	10	.100	180	75	16	10	51	1
SC50-4	2-1/2"	64	38	35	10†	10	.125	240	75	16	9	45	1
SC50-4	3"	76	44	40	10†	10	.125	265	75	16	8	45	1
SC50-4	4"	102	54	50	10†	10	.125	315	80	17	7	45	1
SC50-5	5"	127	56	50	10†	10	.150	420	80	17	7	41	1
SC50-5	6"	152	67	60	10†	10	.150	485	80	17	6	41	1
SC50-5	8"	203	78	70	10†	10	.150	550	90	20	5	41	1
SC50-6	10"	254	83	70	40†	10	.230	750	230	50	5	32	2
SC50-6	12"	304	125	90	40†	12	.230	975	280	60	4.5	32	2
SC50-7	14"	354	125	90	60†	20	.250	1250	330	62	4.0	28	2
SC50-8	16"	406	125	90	60†	18	.300	1500	375	80	3.5	17	2
SC50-8	18"	457	125	90	60†	20	.340	1800	400	85	3.5	17	2
SC50-9	20"	508	125	90	60†	23	.350	2150	420	90	3.0	3	2

Tip Number	Metal Thickness		Pressure - PSIG				Kerf Width	Gas Consumption - SCFH			Speed I.P.M.	Drill Size Cutting Jet
			Cutting Oxygen		Preheat			Oxygen		Fuel		
			Reg.	Torch	Oxy	Natl. Gas		Cutting	Preheat	Preheat		
SC50-0	1/4"	6	30	30	6†	5	.055	40	62	38	22	62
SC50-0	3/8"	10	35	35	6†	5	.055	50	62	38	20	62
SC50-1	1/2"	13	35	35	8†	6	.080	75	70	40	19	56
SC50-1	5/8"	16	40	40	8†	6	.080	85	70	40	17	56
SC50-2	3/4"	19	36	35	8†	6	.095	105	70	40	16	54
SC50-2	1"	25.4	41	40	8†	6	.095	115	70	40	14	54
SC50-2	1-1/4"	32	51	50	8†	6	.095	135	70	40	13	54
SC50-3	1-1/2"	38	42	40	8†	6	.100	170	70	40	12	51
SC50-3	2"	51	47	45	8†	6	.100	180	70	40	10	51
SC50-4	2-1/2"	64	38	35	8†	6	.125	240	75	45	9	45
SC50-4	3"	76	44	40	8†	6	.125	265	75	45	8	45
SC50-4	4"	102	54	50	8†	6	.125	315	75	45	7	45
SC50-5	5"	127	56	50	8†	6	.150	420	82	50	7	41
SC50-5	6"	152	67	60	8†	6	.150	485	82	50	6	41
SC50-5	8"	203	78	70	8†	6	.150	550	82	50	5	41
SC50-6	10"	254	83	70	10†	8	.230	750	120	75	5	32
SC50-6	12"	304	125	90	15†	12	.230	975	165	100	4.5	32
SC50-7	14"	354	125	90	20†	16	.250	1250	200	120	4.0	28
SC50-8	16"	406	125	90	20†	18	.300	1500	220	135	3.5	17
SC50-8	18"	457	125	90	25†	23	.340	1800	250	150	3.5	17
SC50-9	20"	508	125	90	25†	23	.350	2150	250	150	3.0	3

NATURAL GAS

† Listed pressure for 3-hose machine cutting torches only. Regulator pressures are for 50' (13m) of 3/8" (10mm) I.D. hose. If longer or small I.D. hose is used, raise regulator pressures. If more than 100' (31m) of hose is required, use 1/2" (13mm) hose for additional length. \*Based on 100 lb. cylinder = approximately 120 SCFH at 70°

