

AEC 550 SUBARC



STANDARD

- Standard Features
- 550 Amps @ 60% Duty Cycle
 - Easy Installation
 - Economical to Operate
 - Field Repairable

Description
550 amp Sub Arc gun for mounting on manipulators, fixtures, side beams, and track machines. Available with either Lincoln or Miller back end. Designed for running 1/16" thru 3/32" wire. Available in lengths up to 15 feet.

PROMASTER.	DIRECT CONNECT	GUN LENGTH	WIRE SIZE
LNS550-5	Lincoln®	5'	1/16", 5/64", 3/32"
LNS550-10	Lincoln®	10'	1/16", 5/64", 3/32"
LNS550-15	Lincoln®	15'	1/16", 5/64", 3/32"
MS550-5	Miller®	5'	1/16", 5/64", 3/32"
MS550-10	Miller®	10'	1/16", 5/64", 3/32"
MS550-15	Miller®	15'	1/16", 5/64", 3/32"

*Specify wire size when ordering.



OPTION #1

AEC 550
Shown with optional curved extension installed. Specify extension you want installed when ordering gun. Note - curved extensions come with stainless wear guides installed for longer life.

PROMASTER	DESCRIPTION	PROMASTER	DESCRIPTION	PROMASTER	DESCRIPTION
SA-6-30	30° 6" extension	SA-9-22	22° 9" extension	SA-12-45-4R	45° 12" extension 4" radius
SA-6-45	45° 6" extension	SA-9-30	30° 9" extension	SA-12-60-4R	60° 12" extension 4" radius
SA-6-60	60° 6" extension	SA-9-45	45° 9" extension	SA-12-90-4R	90° 12" extension 4" radius
SA-6-90	90° 6" extension	SA-9-60	60° 9" extension		
		SA-9-75	75° 9" extension		
		SA-9-90	90° 9" extension		

*Specify wire size when ordering.

AEC 550HD Sub Arc

OPTION #2

For operating @ 100%
Duty Cycle

Same basic design as the AEC 550 except we have added a busbar at the head to allow you to connect an external piece of 4/0 welding cable back to your power source for increased duty cycle.

PROMASTER	DIRECT CONNECT	GUN LENGTH	WIRE SIZE
HDLNS550-5	Lincoln®	5'	1/16", 5/64", 3/32"
HDLNS550-10	Lincoln®	10'	1/16", 5/64", 3/32"
HDLNS550-15	Lincoln®	15'	1/16", 5/64", 3/32"
HDMS550-5	Miller®	5'	1/16", 5/64", 3/32"
HDMS550-10	Miller®	10'	1/16", 5/64", 3/32"
HDMS550-15	Miller®	15'	1/16", 5/64", 3/32"

*Specify wire size when ordering.

OPTION #3

Flux hose and flux spring are available for running AEC 550 with pressurized flux system.



SB-552
Flux Spring Assembly

Optional: Remote Start Switch



PROMASTER	DESCRIPTION
RSCLN-15	Lincoln 15'
RSCLN-25	Lincoln 25'
RSCM-15	Miller 15'
RSCM-25	Miller 25'

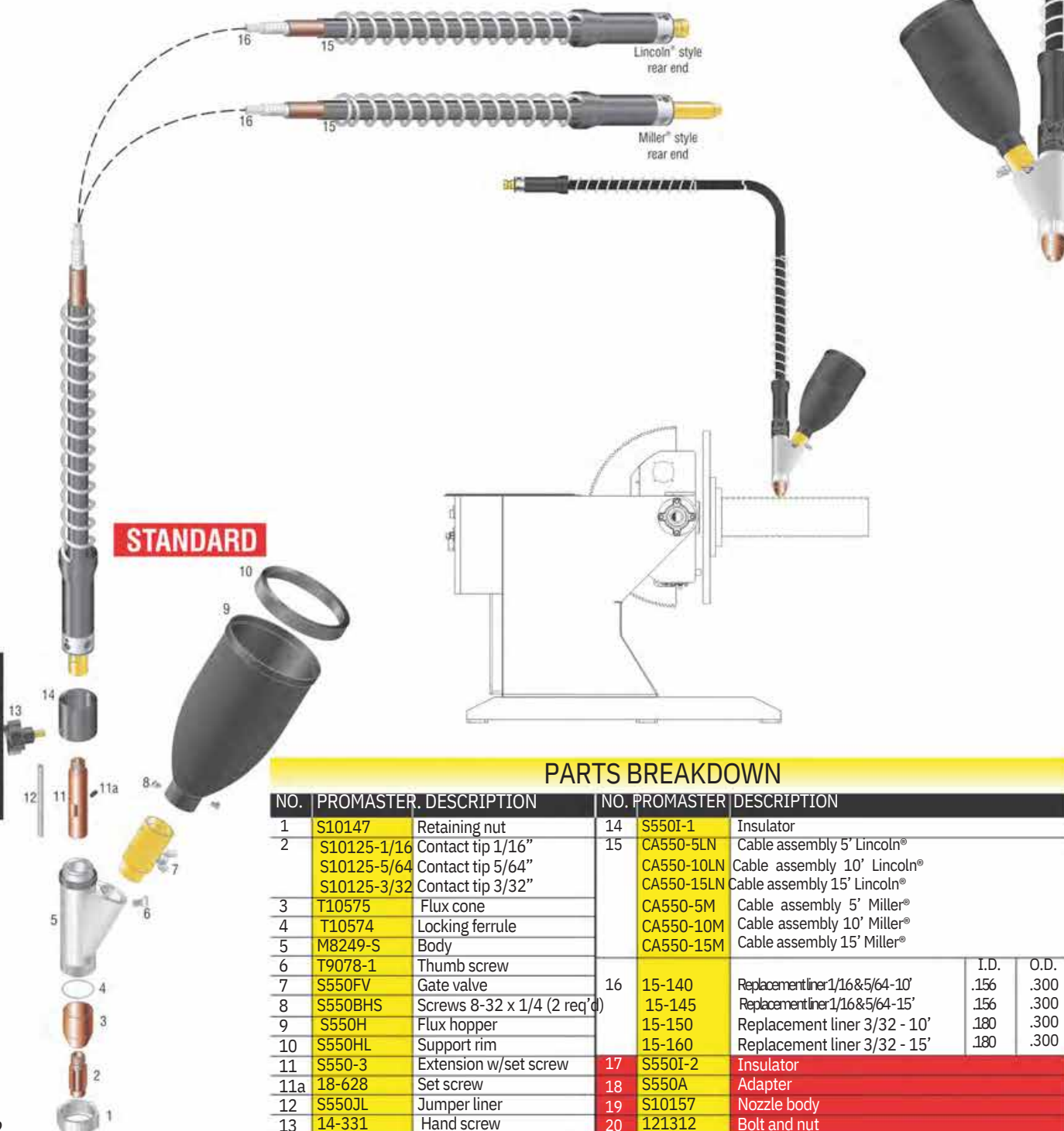
OPTION #2

Exploded View



AEC 550
SUB ARC

STANDARD



PARTS BREAKDOWN

NO.	PROMASTER	DESCRIPTION	NO.	PROMASTER	DESCRIPTION	I.D.	O.D.
1	S10147	Retaining nut	14	S550I-1	Insulator		
2	S10125-1/16	Contact tip 1/16"	15	CA550-5LN	Cable assembly 5' Lincoln®		
	S10125-5/64	Contact tip 5/64"		CA550-10LN	Cable assembly 10' Lincoln®		
	S10125-3/32	Contact tip 3/32"		CA550-15LN	Cable assembly 15' Lincoln®		
3	T10575	Flux cone		CA550-5M	Cable assembly 5' Miller®		
4	T10574	Locking ferrule		CA550-10M	Cable assembly 10' Miller®		
5	M8249-S	Body		CA550-15M	Cable assembly 15' Miller®		
6	T9078-1	Thumb screw	16	15-140	Replacement liner 1/16&5/64-10'	.156	.300
7	S550FV	Gate valve		15-145	Replacement liner 1/16&5/64-15'	.156	.300
8	S550BHS	Screws 8-32 x 1/4 (2 req'd)		15-150	Replacement liner 3/32 - 10'	.180	.300
9	S550H	Flux hopper		15-160	Replacement liner 3/32 - 15'	.180	.300
10	S550HL	Support rim					
11	S550-3	Extension w/set screw	17	S550I-2	Insulator		
11a	18-628	Set screw	18	S550A	Adapter		
12	S550JL	Jumper liner	19	S10157	Nozzle body		
13	14-331	Hand screw	20	121312	Bolt and nut		