



**Thermal Dynamics**  
2CZG5



## Plasma Torch Tips and Nozzles

Focus the stream of plasma flowing out of plasma torches and are compatible with specific brands and series of plasma torches.

Compatible with Series	Cutting Configuration	Maximum Current	For Plasma Torch Type	Item No.
<b>American Torch Tip</b>				
<b>Nozzle</b>				
PT-23, PT-27	Drag Shield Cutting, Standoff Cutting	30 A	Handheld	41T166
	Drag Shield Cutting, Standoff Cutting	50 A	Handheld	41T167
	Drag Shield Cutting, Standoff Cutting	80 A	Handheld	41T169
<b>Lincoln Electric</b>				
<b>Direct Contact Nozzle</b>				
LC40	Drag Tip Cutting	40 A	Handheld, Machine	61UZ36
<b>Gouging Nozzle</b>				
LC105	Gouging	80 A	Handheld, Machine	61UZ81
	Gouging	100 A	Handheld, Machine	61UZ82
<b>Nozzle</b>				
LC25	Standoff Cutting	25 A	Handheld	61UZ29
LC40	Standoff Cutting	40 A	Handheld, Machine	61UZ35
	Drag Tip Cutting	40 A	Handheld	33RM86
LC65	Standoff Cutting	50 A	Handheld, Machine	61UZ44
	Standoff Cutting	60 A	Handheld, Machine	61UZ45
LC105	Drag Shield Cutting, Standoff Cutting	60 A	Handheld, Machine	61UZ84
	Drag Shield Cutting, Standoff Cutting	80 A	Handheld, Machine	61UZ85
	Drag Shield Cutting, Standoff Cutting	100 A	Handheld, Machine	61UZ86
<b>Shielded Contact Nozzle</b>				
LC65	Drag Shield Cutting	40 A	Handheld	33RM87
<b>Miller Electric</b>				
<b>Tip</b>				
ICE-60T	Drag Shield Cutting, Standoff Cutting	60 A	Handheld	3RDV9
ICE-55C	Drag Shield Cutting, Standoff Cutting	55 A	Handheld	38G612
	Extended Cutting	55 A	Handheld	38G614
ICE-40C	Drag Shield Cutting, Standoff Cutting	40 A	Handheld	3RDV5
ICE-40C, ICE-55C	Extended Cutting	40 A	Handheld	3RDV7
ICE-25C, ICE-25CX, ICE-27C, ICE-27T	Drag Shield Cutting, Standoff Cutting	27 A	Handheld	3DRD5
XT30, XT30C	Drag Shield Cutting, Standoff Cutting	30 A	Handheld	15F415
XT40	Drag Shield Cutting, Standoff Cutting	40 A	Handheld	13Z847
XT60	Drag Shield Cutting, Standoff Cutting	60 A	Handheld	49X329
	Gouging	60 A	Handheld	49X336
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<b>Standoff Tip</b>				
	Standoff Cutting	40 A	Handheld	2CZ61
	Standoff Cutting	50 A	Handheld	2CZ62
SL100, SL60	Standoff Cutting	60 A	Handheld	2CZ63
	Standoff Cutting	80 A	Handheld	2CZ64
	Standoff Cutting	100 A	Handheld	2CZ65
	Standoff Cutting	120 A	Handheld	49NW75
<b>Tip</b>				
SL40	Drag Tip Cutting	40 A	Handheld	11G211
	Drag Tip Cutting	30 A	Handheld	2CFZ8
SL60	Drag Tip Cutting	40 A	Handheld	2CFZ9
	Drag Tip Cutting	60 A	Handheld	20UJ75

## Plasma Torch Electrodes

Conduct current to create and maintain an arc for plasma cutting tasks and are compatible with specific brands and series of plasma torches.



Compatible with Series	For Plasma Torch Type	Item No.
<b>Lincoln Electric</b>		
<b>Standard</b>		
LC25	Handheld	61UZ28
LC40	Handheld, Machine	61UZ33
LC105	Handheld, Machine	61UZ76
<b>Miller Electric</b>		
<b>Standard</b>		
XT30, XT30C		15F414
XT60	Handheld	49X330
ICE-60T		3RDV8
ICE-40C, ICE-55C		3DRD6
<b>Extended</b>		
ICE-40C, ICE-55C	Handheld	3RDV6
<b>Thermal Dynamics</b>		
<b>Standard</b>		
SL40	Handheld	11G212
SL100, SL60		2CZG8
PCH/M-102, PCH/M-62	Handheld, Machine	49NW77
PCH-10, PCH-20, PCH-25	Handheld	3LV15
PCH-25/38, PCH-26, PCH/M-28, PCH/M-35, PCH/M-40		3LV18
PCH/M-51	Handheld, Machine	3LVN3
PCH/M-51		3LVN4
<b>Extended</b>		
PCH/M-102, PCH/M-62	Handheld, Machine	49NW78



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## Plasma Torch Shield Caps and Deflectors

Protect plasma torch nozzles from damage during plasma cutting applications.

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Compatible with Series	Cutting Configuration	Maximum Current	For Plasma Torch Type	Item No.
<b>American Torch Tip</b>				
<b>Heat Shield</b>				
PT-23, PT-27	Drag Shield Cutting	—	Handheld	41R987
<b>Shield</b>				
PT-23	Drag Shield Cutting	—	Handheld	41T170
<b>Lincoln Electric</b>				
<b>Drag Shield</b>				
LC65	Drag Shield Cutting	60 A	Handheld	33RM91
LC105	Drag Shield Cutting	100 A	Handheld, Machine	61UZ79
<b>Gouge Shield</b>				
LC65	Gouging	60 A	Handheld	33RM92
LC105	Gouging	100 A	Handheld, Machine	61UZ80
<b>Miller Electric</b>				
<b>Drag Shield</b>				
ICE-100T, ICE-60T, ICE-60TM, ICE-80CX, ICE-80CKM, ICE-80T, ICE-80TM, ICE-50C, ICE-50CM, ICE-55C, ICE-55CM	Drag Shield Cutting	100 A	Handheld, Machine	38G619
XT30, XT30C		30 A	Handheld	15F417
XT40		40 A	Handheld	38G629
XT60		60 A	Handheld	49X331
<b>Gouge Shield</b>				
XT60	Gouging	60 A	Handheld	49X335
<b>Thermal Dynamics</b>				
<b>Deflector</b>				
SL100, SL60	Drag Shield Cutting, Drag Tip Cutting, Gouging, Standoff Cutting	100 A	Handheld	3JXG8
<b>Drag Shield Cap</b>				
SL100, SL60	Drag Shield Cutting	60 A	Handheld	2UPY9
		100 A	Handheld	2UPZ1
<b>Gouging Shield Cap</b>				
SL100, SL60	Gouging	100 A	Handheld	2UPZ3



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Compatible with Series	For Plasma Torch Type	Item No.
<b>Lincoln Electric</b>		
<b>Swirl Ring</b>		
Tomahawk 375 Air, Tomahawk 625	Handheld	61UZ31
Tomahawk 1500		61UZ88
<b>Miller Electric</b>		
<b>Swirl Ring</b>		
Spectrum 375, Spectrum 375 X-TREME		15F413
Spectrum 875	Handheld	38G623
Spectrum 875, Spectrum 875 Auto-Line		49X332
Spectrum 2050, Spectrum 625		38G610
<b>Thermal Dynamics</b>		
<b>Gas Distributor</b>		
PCH/M-100XL, PCH/M-102, PCH/M-60, PCH/M-62, PCH/M-75, PCH/M-76, PCH/M-80	Handheld, Machine	3LVN9
<b>Start Cartridge</b>		
SL40		11G213
SL100, SL60	Handheld	2CZG7

## Plasma Torch Start Cartridge and Swirl Rings

Also known as start cartridges, gas distributors, or baffles, they direct the plasma stream as it travels around the electrode and into the nozzle on compatible plasma torches.



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## Plasma Torch Retaining Caps

Also known as retaining cups or shield cups, they secure plasma torch nozzles, swirl rings, and other consumables in place on plasma torches.

Compatible with Series	Cutting Configuration	Maximum Current	For Plasma Torch Type	Item No.
<b>Lincoln Electric</b>				
LC25	Standoff Cutting	25 A	Handheld	61UZ30
LC40	Drag Shield Cutting, Standoff Cutting	40 A	Handheld, Machine	61UZ38
LC105	Drag Shield Cutting, Gouging, Standoff Cutting	100 A	Handheld, Machine	61UZ87
<b>Miller Electric</b>				
XT30, XT30C, XT40, XT40M	Drag Shield Cutting, Extended Cutting, Gouging, Standoff Cutting	40 A		15F416
ICE-40C, ICE-40T, ICE-50C, ICE-50CM, ICE-55C, ICE-55CM	Extended Cutting, Gouging, Standoff Cutting	50 A	Handheld	38G611
XT60, XT60M	Extended Cutting, Gouging, Standoff Cutting	60 A	Handheld	49X333
ICE-100T, ICE-100TM, ICE-60TM, ICE-80CX, ICE-80CKM, ICE-80T, ICE-80TM	Drag Shield Cutting, Extended Cutting, Gouging, Standoff Cutting	60 A		38G622
<b>Thermal Dynamics</b>				
SL100, SL60	Standoff Cutting	100 A		2UPZ2
SL100, SL60	Drag Tip Cutting, Gouging, Standoff Cutting	100 A	Handheld	3JXG3
PCH/M-100XL, PCH/M-102, PCH/M-60, PCH/M-62, PCH/M-75, PCH/M-76, PCH/M-80	Drag Tip Cutting, Gouging	55 A	Handheld, Machine	3LVN8