

THERMAL DYNAMICS®

A THERMADYNE® Company

1Torch™

with SURELOK® Technology



**One Torch
for Virtually Any
Plasma Cutting
System!**

Take the  Challenge

**30 Days, 100% Satisfaction
or Your Money Back,
Guaranteed!**

Call 1-800-752-7621 for details.

**Available With Our ATC™
Quick Change Connector!**



The Revolution in Plasma Torches Has Begun

1Torch™

with SURELOK® Technology



Introducing the First Universal Plasma Torch!

The 1Torch™ RPT torch is the first plasma cutting torch that performs with virtually all plasma cutting power supplies. The 1Torch works with high frequency start systems, CD start systems, touch start systems and moving parts (*blow back*) start systems. Install the 1Torch on your current plasma power supply and you immediately benefit from the latest in high performance torch technology available today.

Important Features Include:

New Ergonomic Torch Handle

With a new, innovative, easy-to-use torch trigger release, encapsulated protected torch head and precisely engineered grip, the 1Torch RPT torch is both easy and comfortable to use.



Extended or Protected Consumable Parts

We designed our consumable parts to adapt to your cutting style. By simply changing the shield cup, you can either have:

- An Extended Tip for greater visibility and control and precision drag cutting at low power.
- A Protected Tip for on-the-plate drag cutting at high power up to 100 amps.

One Year Torch & Leads Warranty

Precision Engineered Torch Consumable Parts

The 1Torch RPT torch introduces a completely new tip technology. Plasma gas management is an integral part of the tip design. Each tip is uniquely tuned to optimize cut performance at its rated cutting current. The result is precision gas management, longer consumable parts life and better cut performance across the entire range of 1Torch tips.

Lower Consumable Parts Inventories and Costs

The less than 25 consumable parts used with the 1Torch RPT torch can replace over 575 different consumable parts used over a broad range of plasma systems.

New, Improved Leads

1Torch Leads are lightweight, extremely flexible and tough – the ideal combination of durability and ease of use.

ATC™ (Advanced Torch Connector) Quick Disconnect Option

Our new quick disconnect design brings extra flexibility to any plasma system.

Imagine being able to change out a damaged plasma cutting torch, easily convert from a hand to a machine torch operation, or simply put on a different size torch all in the matter of a few seconds and not have to use any tools to complete the task!



ATC™ Lead Extensions for Improved Versatility

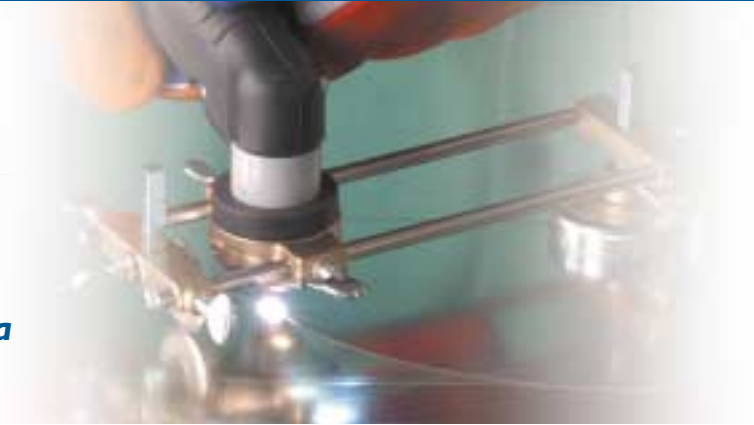
You can add substantial flexibility and versatility to your cutting operations with the use of Lead Extensions. Quick Disconnect Lead Extensions, in 15 ft., 25 ft. and 50 ft. lengths, make it easy and efficient to add or subtract lead length according to the job requirements.

1Torch™ RPT torch and ATC™ connector are patent pending.

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with SURELOK® Technology

One Torch for Virtually Any Plasma Cutting System!



Selecting the Right Torch Package for Your Needs . . .

It's as easy as 1, 2, 3!

1

Torch and Leads Selection

Chart 1 (pg. 4) gives you all the information you'll need to select the right torch. Torches are grouped into two sections – SL60™ and SL100™ Hand Torches. Find the appropriate section, decide whether the standard RPT connection or the ATC™ Torch Connection is right for you, then select the torch with the desired amperage range and leads length.

2

Adapter Kit Selection

Select the appropriate Adapter Kit from Chart 2 (pg. 5). If you selected a torch with the ATC Connection, you will also need an ATC Receptacle Adapter (see Chart 1).

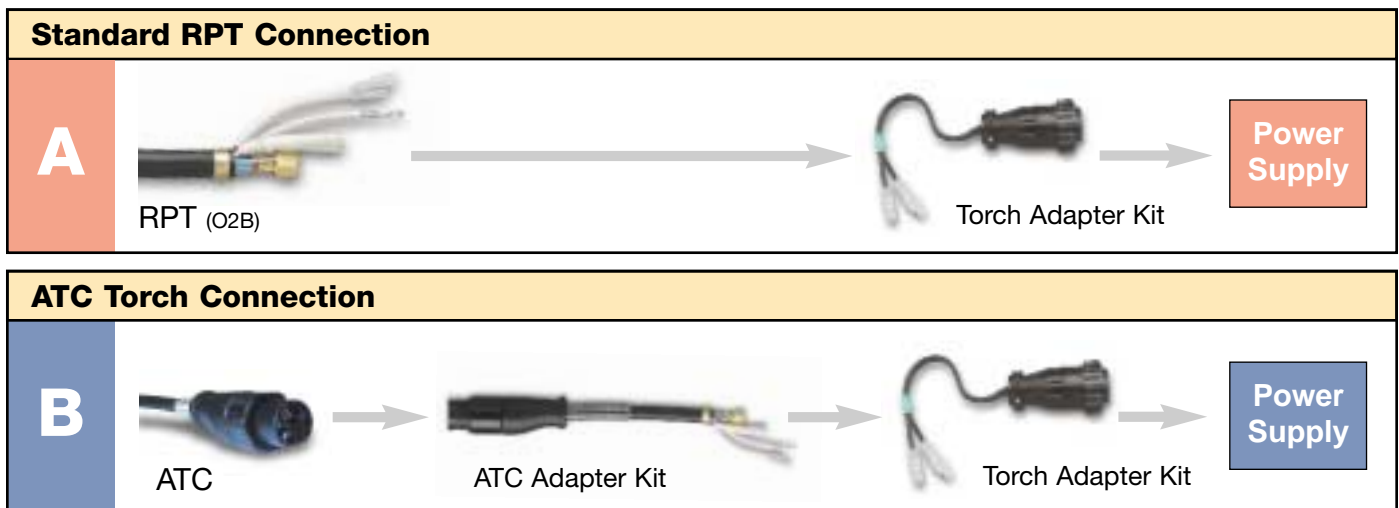
3

Spare Parts Selection

From Chart 3 (pg. 6), select an RPT Spare Parts Kit or specific consumable parts that best suit your cutting requirements.

Torch Connection Options

The diagram below shows the differences between the Standard RPT and the ATC Torch connections.



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Torch and Lead Selection

Listed below are the Torch and Lead selection charts for the SL60™ and SL100™ Hand 1Torch RPT torches.

1

ORDERING INFORMATION

Hand Torches

SL60™

Light/Medium Duty Torch
20-60 Amps



SL100™

Medium/Heavy Duty Torch
30-100 Amps



CAT NO.		DESCRIPTION		
A	Standard RPT (O2B) Torch Connection			
	Torch & Leads			
	SL60 Hand Torch (20-60 Amps)			
	7-5200	SL60, 75°, 20' (6.1m)	Torch/Leads	
7-5201	SL60, 75°, 50' (15.2m)	Torch/Leads		
B	ATC™ Torch Connection			
	Torch & Leads			
	SL60 Hand Torch w/ ATC (20-60 Amps)			
	7-5204	*SL60, 75°, 20' (6.1m)	Torch/Leads	
7-5205	*SL60, 75°, 50' (15.2m)	Torch/Leads		
ATC™ Adapter Kit				
ATC Receptacle Adapter				
7-5207	ATC Receptacle Connector			
* This receptacle adapter is required for each power supply using an ATC torch connection. This is connected to the torch adapter kit specific to each power supply.				
ATC™ Lead Extensions				
Lead Extensions - Standard				
7-7544	15' (4.5m)	Lead Extension		
7-7545	25' (7.6m)	Lead Extension		
7-7552	50' (15.2m)	Lead Extension		
A	Standard RPT (O2B) Torch Connection			
	Torch & Leads			
	SL100 Hand Torch (30-100 Amps)			
	7-5202	SL100, 75°, 20' (6.1m)	Torch/Leads	
7-5203	SL100, 75°, 50' (15.2m)	Torch/Leads		
B	ATC™ Torch Connection			
	Torch & Leads			
	SL100 Hand Torch w/ ATC (30-100 Amps)			
	7-5206	*SL100, 75°, 20' (6.1m)	Torch/Leads	
7-5208	*SL100, 75°, 50' (15.2m)	Torch/Leads		
ATC™ Adapter Kit				
ATC Receptacle Adapter				
7-5207	ATC Receptacle Connector			
* This receptacle adapter is required for each power supply using an ATC torch connection. This is connected to the torch adapter kit specific to each power supply.				
ATC™ Lead Extensions				
Lead Extensions - Standard				
7-7544	15' (4.5m)	Lead Extension		
7-7545	25' (7.6m)	Lead Extension		
7-7552	50' (15.2m)	Lead Extension		

NOTES: *Total lead length including torch and extension(s), should not exceed the maximum length specified by the power supply manufacturer.

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Adapter Kit Selection

Listed below is the Adapter Kit selection charts for the Hand 1Torch RPT torch.



Torch Adapter Kits

The model of the plasma cutting system must be known to determine the adapter kit required.

Manufacturer Power Supply Model	Catalog Number	Manufacturer Power Supply Model	Catalog Number
AIRCO®/BOC®		LINCOLN®	
PCS-43	7-3425	Pro-Cut 60	7-3431
PCS-53, PCS-80, PCS-90	7-3435		
CEBORA®		MARQUETTE®	
50	7-3438	12/150, 12/200	7-3476
Pocket 25	7-3476		
CENTURY®		MATCO®	
82020*, 82050*, M2050*	7-3476	2020*, 2050*	7-3476
DAIHEN®		MILLER®	
SC-60P	7-3432	Plazcut 60†/Zipcut	7-3432
MRAT-70	7-3437	Spectrum® 250D, 500, 750	7-3433
		Spectrum® 700, 1000, 1250, PLUS	7-3430
DAYTON®		Spectrum® 3080*	7-3456
3W722A*, 5Z031B*	7-3476	Spectrum® 650*, 701*, 2050*	7-3457
ESAB® (yellow)		Spectrum® 300*	7-3476
PCM-SMi, 500i, 625i, PCS-43	7-3425	Spectrum® 375*	7-3477
PCS-53, 80, 90	7-3435	Spectrum® 625*	7-3478
ESP-100i	7-3426		
PCM-750i, 875, 1000i, 1125	7-3429	MULTIQUIP MQ®	
Sidewinder 30, 55, 105	7-3434	PCX50SS	7-3437
Powercut® 1250, 1500	7-3462		
HARRIS®		NU-TECSYS®	
System 50, 65, 100	7-3439	Omnicut 375	7-3438
		PCA-30/60, 65	7-3441
HOBART®		OTC	
Smoothcut 30, 625	7-3425	Panasonic D-5000, D-7000	7-3437
Smoothcut 50 (single gas), 100	7-3426		
Smoothcut 50 (dual gas)	7-3428	P-TRON®	
Smoothcut II 35A, 60A, 100A	7-3427	P-Tron 75, 100	7-3437
Fab Shop	7-3440		
Cybercut 2050*	7-3457	POWCON®	
HYPERTHERM®		Starcut	7-3430
Max® 40, HT® 40 (H/F Start)	7-3430	SMITH®	
Max® 70, Max® 80, Max® 100 w/ & w/o Q.D.		SPC-30, 20-50, 40-80	7-3442
Max® 42*, 43*, 40cs*	7-3454	SNAP-ON®	
powermax® 600*, 800*, 900* w/ Q.D.		YA-3440	7-3430
powermax® 1100*	7-3455	YA-2230*, YA-5550*, YA-5550A*	7-3476
powermax® 1000*, 1250*	7-3461	SOLAR®	
Max® 40cs* (w/o Q.D.)	7-3476	SOL 2020* (118-009, 118-010), SOL 2050* (118-015, 118-016)	7-3476
powermax® 380*	7-3477	THERMAL DYNAMICS®	
powermax® 600* w/o Q.D.	7-3480	PAK® 3XR, 5XT, 5XR, 6XR, 7XR, 625XR, 750XR	7-3446
powermax® 800*, 900* w/o Q.D.	7-3481	PAK® 8XR, 10XR, 1000XR, 1250XR,	7-3434
powermax® 1650	7-3483	PakMaster® 75, 100	
powermax® 350	7-3484	PakMaster® 50XL/XLP, 75XL/XLP, 100XL/XLP	7-3447
powermax® 190C	7-3485	CUTMASTER™ 50, 75, 80XL, 100	
INNERLOGIC®		PakMaster® 25, 38XL, EconoPAK® 25	7-3443
SR-45i	7-3451	Drag-Gun® 38, PAK® 4Xi, 6Xi	
L TEC® (green)		PAK® 2XT, Dynapak® 110	
PCM-31, SMi, 32i/34i, VPi	7-3425	PakMaster® 50 w/ Smart Torch (Q.D.)	7-3445
PCM-500i, 625i, PCS-80i		EconoPAK® 50	7-3449
PCM-50A, 70, 80, 52i/54i, 82i/84i	7-3426	EconoPAK® 100	7-3450
ESP-100i, PCM-50, PCM-100 (Single Gas)		PAK® 5	7-3444
PCM-50, PCM-100 (Dual Gas)		PAK® 10	7-3436
PCS-40	7-3430		
PCM-750i, 1000i	7-3435		
PCM-101	7-3436		

*Non-HF Systems.

†The Miller PlazCut machines with Serial Numbers beginning JE are not compatible with 1Torch™ RPT Torches.

NOTES: Each Adapter Kit includes connection fitting, electrical connectors and installation instruction sheets for the selected power supply.

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ORDERING INFORMATION

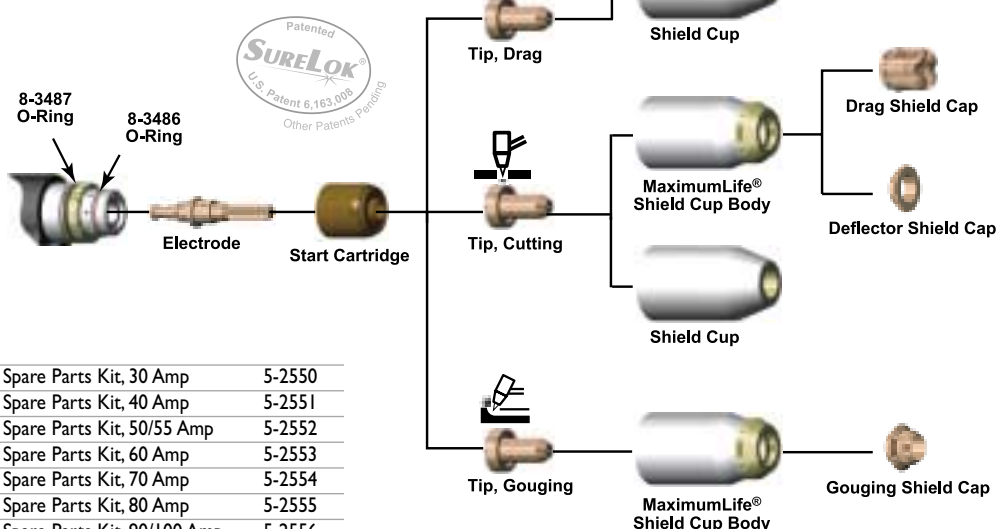
Spare Parts Selection

Description	Cat. No.	Description	Cat. No.
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1TORCH™ CONSUMABLES / PARTS

O-Ring	8-3487
O-Ring	8-3486
Electrode, MaximumLife®	9-8215 ■
Start Cartridge	9-8213 ■
Tip, 20A, Drag	9-8205
Tip, 30A, Drag	9-8206
Tip, 40A, Drag	9-8207
Tip, 40A, Cutting	9-8208
Tip, 50/55A, Cutting	9-8209
Tip, 60A, Cutting	9-8210 ▲
Tip, 70A, Cutting	9-8231
Tip, 80A, Cutting	9-8211
Tip, 90/100A, Cutting	9-8212 ●
Tip, A, Gouging	9-8225
Tip, B, Gouging	9-8226
Tip, C, Gouging	9-8227
Tip, D, Gouging	9-8228
Shield Cup	9-8218
Shield Cup Body, MaximumLife®	9-8237 ■
Shield Cap, Drag, 40A	9-8244
Shield Cap, Drag, 50-60A	9-8235 ▲
Shield Cap, Drag, 70-100A	9-8236 ●
Shield Cap, Mach, 40A	9-8245
Shield Cap, Mach, 50-60A	9-8238
Shield Cap, Mach, 70-100A	9-8239
Shield Cap, Deflector	9-8243 ■
Shield Cap, Gouging	9-8241

**SL60™ / SL100™
1Torch Parts**





Spare Parts Kit, 30 Amp	5-2550
Spare Parts Kit, 40 Amp	5-2551
Spare Parts Kit, 50/55 Amp	5-2552
Spare Parts Kit, 60 Amp	5-2553
Spare Parts Kit, 70 Amp	5-2554
Spare Parts Kit, 80 Amp	5-2555
Spare Parts Kit, 90/100 Amp	5-2556

(Note: All Spare Parts Kits include ten (10) Tips, five (5) Electrodes and one (1) Start Cartridge.)
 ■ Standard for all RPT Torches ▲ Standard on SL60 RPT Torches ● Standard on SL100 RPT Torches

Product Description Catalog No. ACCESSORIES

Single Stage Air Filter		7-7507
Remote Pendant Control, 20 ft. (6.1 m)		7-3460
For use with Machine Torch		

Product Description Catalog No. ACCESSORIES (cont.)

Leather Leads Cover		
20 ft. (6.1 m)		9-1260
25 ft. (7.6 m)		9-1270
50 ft. (15.2 m)		9-1280
Straight Line Cutting Guide		7-8911

Product Description Catalog No. ACCESSORIES (cont.)

Cutting Guide Kits		
Circle Guide Kit		7-3291
Roller/Radius Kit		7-7501
Deluxe Kit		7-8910

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