

THERMAL DYNAMICS®

A THERMADYNE® Company

1Torch™

with SURELOK® Technology



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



Total Plasma Cutting Flexibility

**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 total of 20 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

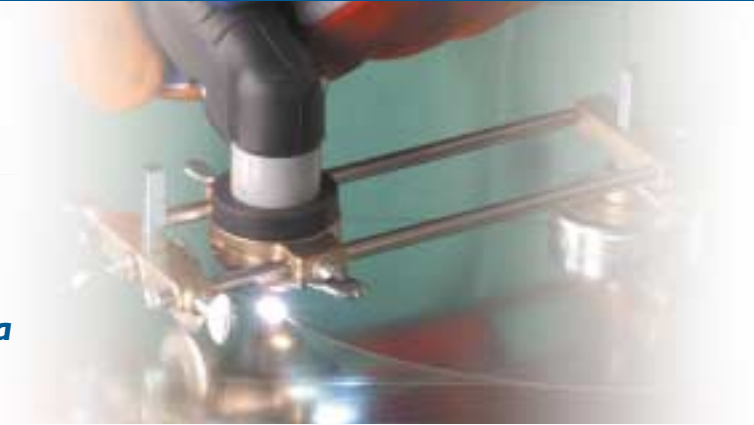
You can add substantial flexibility and versatility to your cutting operations with the use of Lead Extensions. Quick Disconnect Lead Extensions, in 15 ft., 25 ft. and 50 ft. lengths, make it easy and efficient to add or subtract lead length according to the job requirements.

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

1Torch™

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).

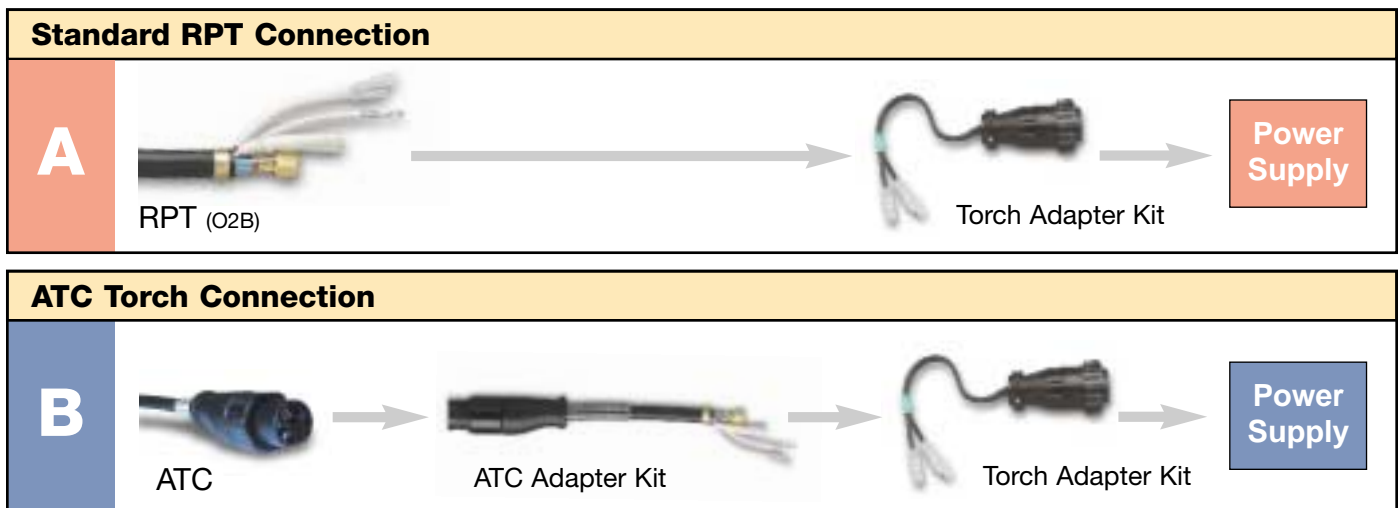
3

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.



1Torch™

with SURELOK® Technology

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

CAT NO.	DESCRIPTION
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	
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

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
<small>* 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.</small>	
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

ATC™ Adapter Kit	
ATC Receptacle Adapter	
7-5207	ATC Receptacle Connector
<small>* 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.</small>	
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.

1Torch™

with **SURELOK®** Technology

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	MARQUETTE®	
CEBORA®		12/150	7-3476
50	7-3438	MATCO®	
CENTURY®		2020, 2050	7-3476
82020, 82050	7-3476	MILLER®	
DAIHEN®		*Plazcut 60/Zipcut	7-3432
SC-60P	7-3432	Spectrum® 250D, 500, 750	7-3433
MRAT-70	7-3437	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	MULTIQUIP MQ®	
ESP-100i	7-3426	PCX50SS	7-3437
PCM-750i, 875, 1000i, 1125	7-3429	NU-TECSYS®	
Sidewinder 30, 55, 105	7-3434	Omnicut 375	7-3438
Powercut® 650, 875, 1125, 1250, 1500	7-3462	PCA-30/60, 65	7-3441
HARRIS®		OTC	
System 50, 65, 100	7-3439	Panasonic D-5000, D-7000	7-3437
HOBART®		P-TRON®	
Smoothcut 30, 625	7-3425	P-Tron 75, 100	7-3437
Smoothcut 50 (single gas), 100	7-3426	POWCON®	
Smoothcut 50 (dual gas)	7-3428	Starcut	7-3430
Smoothcut II 35A, 60A, 100A	7-3427	SMITH®	
Fab Shop	7-3440	SPC-30, 20-50, 40-80	7-3442
Cybercut 2050	7-3457	SNAP-ON®	
HYPERTHERM®		YA-2230, YA-5550	7-3476
Max® 40, HT® 40 (H/F Start)	7-3430	SOLAR®	
Max® 70, Max® 80, Max® 100 w/wo Q.D.		SOL 2020 (118-009, 118-010), SOL 2050 (118-015, 118-016)	7-3476
Max® 42, 43, 40cs	7-3454	THERMAL DYNAMICS®	
powermax® 600, 800, 900	7-3455	PAK® 3XR, 5XT, 5XR, 6XR, 7XR, 625XR, 750XR	7-3446
powermax® 1100	7-3461	PAK® 8XR, 10XR, 1000XR, 1250XR,	7-3434
powermax® 1000, 1250	7-3461	PakMaster® 75, 100	
Max® 40cs (wo/ Q.D.)	7-3476	PakMaster® 50XL/XLP, 75XL/XLP, 100XL/XLP	7-3447
powermax® 380	7-3477	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		

*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.

CEBORA is a registered trademark of Cebora S.p.A.; DAIHEN is a registered trademark of Daihen Inc.; ESAB and L-TEC are registered trademarks of ESAB AB; HARRIS and LINCOLN are registered trademarks of Lincoln Electric Co.; HOBART is a registered trademark of Hobart Brothers Co.; HYPERTHERM, Max and powermax are registered trademarks of Hypertherm, Inc.; MILLER and Spectrum are registered trademarks of Miller Electric Mfg. Co.; MULTIQUIP is a registered trademark of Multiquip, Inc.; NU-TECSYS is a registered trademark of Nu-Tecsys, Inc.; P-TRON is a registered trademark of P-Tron Plasma/Tech Systems; SMITH is a registered trademark of Smith Equipment Co.; INNERLOGIC is a trademark of Innerlogic; THERMAL DYNAMICS, PAK, CUTMASTER, PakMaster, EconoPAK, Dynapak and Drag-Gun are registered trademarks of Thermal Dynamics Corp.

ORDERING INFORMATION

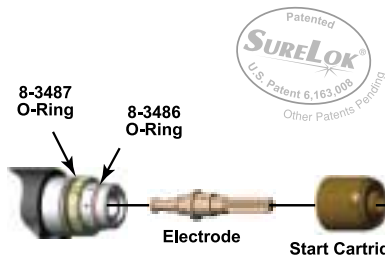
Spare Parts Selection

Description Cat. No. Description Cat. No.

1TORCH™ CONSUMABLES / PARTS

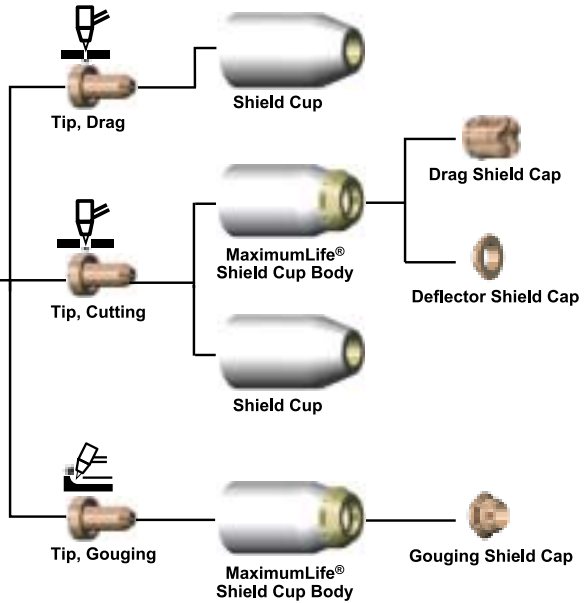
O-Ring	8-3487
O-Ring	8-3486
Electrode, MaximumLife®	9-8215
Start Cartridge	9-8213
Tip, 20A, Drag	9-8205
Tip, 30A, Drag	9-8206
Tip, 40A, Drag	9-8207
Tip, 40A, Cutting	9-8208
Tip, 50/55A, Cutting	9-8209
Tip, 60A, Cutting	9-8210
Tip, 70A, Cutting	9-8231
Tip, 80A, Cutting	9-8211
Tip, 90/100A, Cutting	9-8212
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, 50-60A	9-8235
Shield Cap, Drag, 70-100A	9-8236
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.)



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

WORLD HEADQUARTERS: Suite 300, 16052 Swingley Ridge Road • St. Louis, MO 63017

THERMAL DYNAMICS®

**U.S. CUSTOMER SERVICE: 82 Benning Street • West Lebanon, NH 03784
800-752-7621 • FAX 800-221-4401**

International Offices

International Customer Service
Oakville, Ontario, Canada
Ph: (1) 905-827-9777
Fax: (1) 905-827-9797

Thermadyne Canada
Oakville, Ontario Canada
Ph: (1) 905-827-1111
Fax: (1) 905-827-3648

Thermadyne UK
Chorley, England
Ph: (44) 1257-261755
Fax: (44) 1257-224800

Thermadyne Asia Sdn. Bhd.
Kuala Lumpur, Malaysia
Ph: (603) 6092-2988
Fax: (603) 6092-1085

Cigweld Australia
Melbourne, Australia
Ph: (61) 3-9474-7400
Fax: (61) 3-9474-7510

Unique Welding Alloys
Johannesburg, South Africa
Ph: (27) 11-917-3600
Fax: (27) 11-917-8580

Thermadyne Victor Brasil
Rio de Janeiro, Brazil
Ph: (55) 21-2-485-8990
Fax: (55) 21-2-485-8735

Thermadyne Middle East
Dubai, United Arab Emirates
Ph: (971) 4-332-9060
Fax: (971) 4-332-5484

Thermadyne de Mexico
Mexico City, Mexico
Ph: (52) 55-5657-9494
Fax: (52) 55-5648-8805

Thermadyne Japan
Osaka, Japan
Ph: (81) 6-4809-8411
Fax: (81) 6-4809-8412

Thermadyne Italia
Milan, Italy
Ph: (39) 039-204-991
Fax: (39) 039-204-9922

Thermadyne Chile
Santiago, Chile
Ph: (56) 2-557-2465
Fax: (56) 2-557-5349