



EX-TJAFIRE[®]

PRODUCT CATALOG

FROM THE GARAGE TO THE SHIPYARD

"A successful product begins with a simple idea". The idea was to create a plasma cutting power supply. Criteria were set precisely. It has to be powerful, versatile, easy to operate, durable and portable.

AND WE CREATED IT.
IT'S CALLED
THE **EX-TRAFIRE**®

EX-TRAFIRE® POWER SUPPLIES

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THE EX-TRAFIRE®

With EX-TRAFIRE® plasma cutting systems, THERMACUT® is about to change the market. Since the initial introduction of the first generation in 2014, enormous time was spent with end users to identify their real needs. The dialogue with the end users was fruitful and beneficial for both sides. The market clearly demanded a performance system, having the Extrapower available when the job requests it. With regards to the plasma cutting method, the term „output power“ is used many times. However, the data sheets of most of the other products only show the „cutting current“ and neglect the associated „cutting voltage“.

This causes end users to be misled with a low price per amp or weight per amp of power sources. The latest generation of the EX-TRAFIRE® plasma cutting power supplies has put a strong focus on the real “output power”, in other words, reengineered for improved efficiency and power at reduced cost of ownership. In addition THERMACUT® has come up with further optimizations: easily adjustable cutting parameters, enhanced durability, standardized CNC interfaces, LCD displays and the patented TCS Torch Connection System are just a few of the innovations this release is bringing to the market. Along with the unique torch system FHT-EX® - an ergonomic handheld torch with a highly flexible and light coaxial cable to provide a much easier handling - Thermacut is offering the market a viable alternative to the established suppliers.

Depending on the output power, low-alloy steels from 0 mm to 50 mm can be easily cut. The EX-TRAFIRE® is thus suitable for precise cutting applications from semi-finished products for weld seam preparation to delicate precision contours, which require no mechanical rework. Thanks to their high output voltage of up to 220 V, the devices are also programmed for use in plasma gouging.

The upcoming HD (Heavy Duty) line with optional -bus systems will be adaptable to many CNC cutting table or robotic systems and thus will be ready for Industry 4.0 applications. The important parameters, such as pressure, amperes and operating mode, can be conveniently set on the control panel of CNC. These include the different operating modes of cutting, marking and gouging.

With the EX-TRAFIRE®, the end user gets a very comfortable and really multi-functional system that supports our long-term goal of becoming a full-service provider of thermal cutting products.



ANDREAS BÖCKLING
HEAD OF THERMACUT GROUP



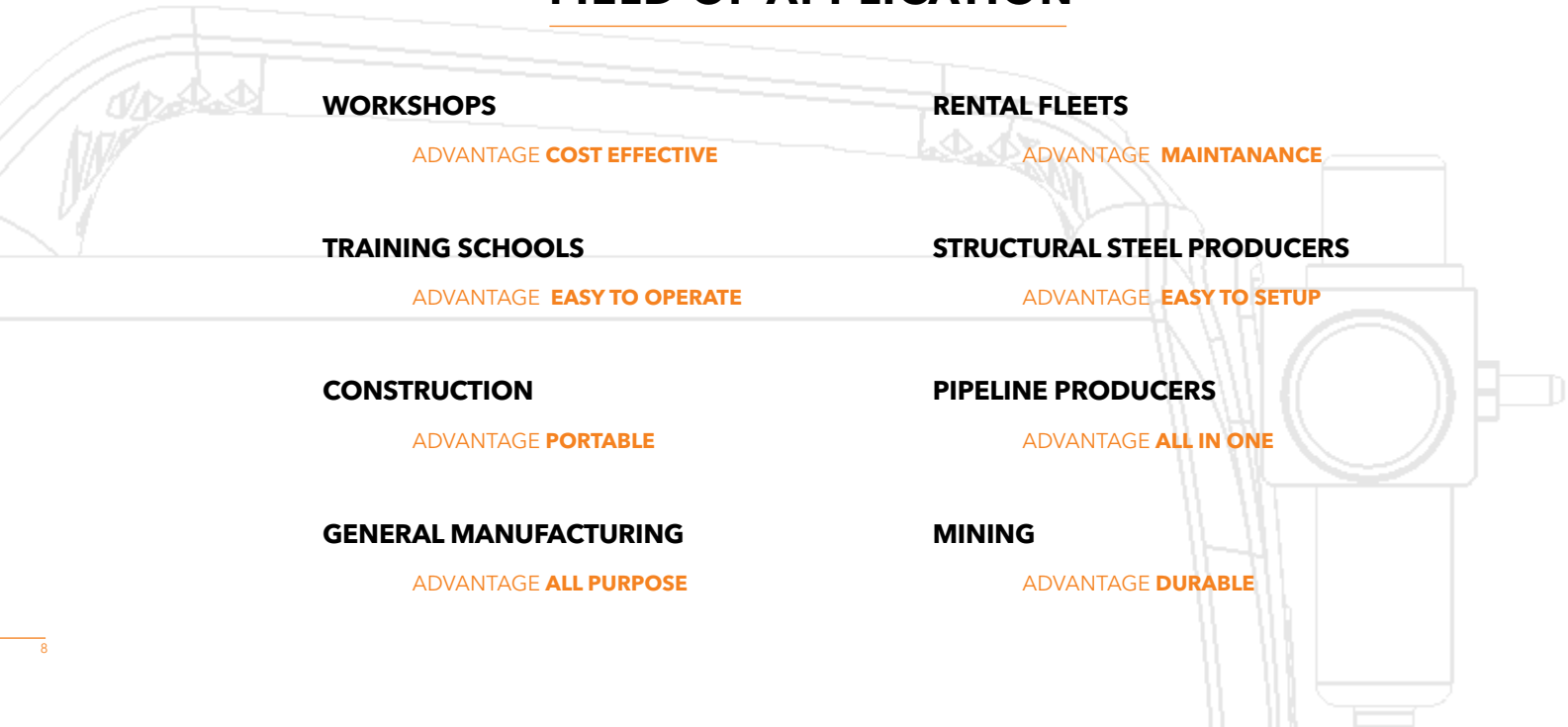
EX-TRA[®]FIRE[®]30H

**SMALL AND COMPACT
PLASMA CUTTING
POWER SUPPLY**

EX-TRAFIRE® 30H



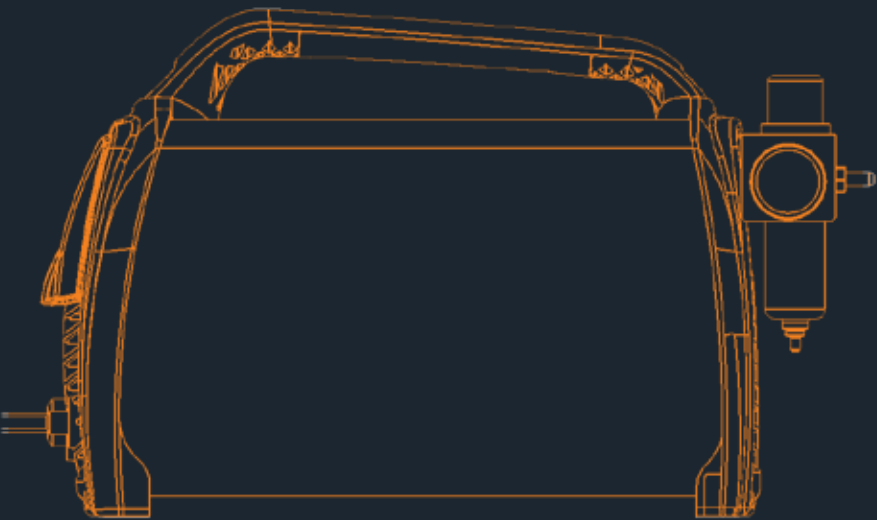
FIELD OF APPLICATION



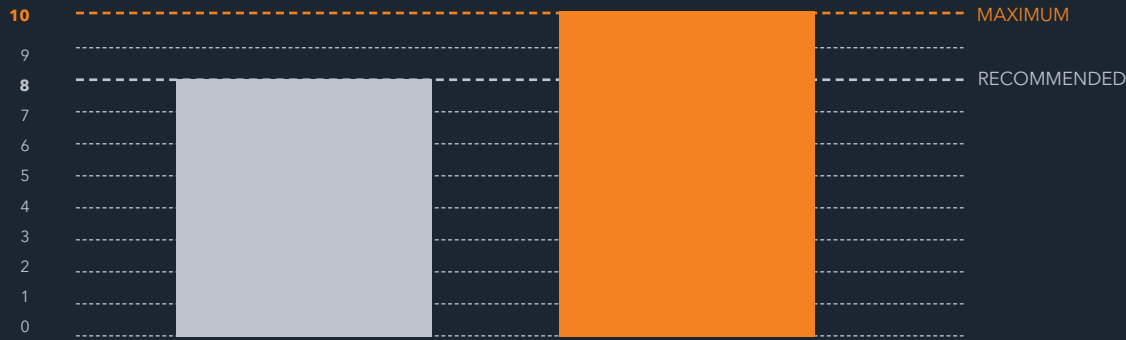
EX-TRAFIRE® 30H

SPECIFICATIONS

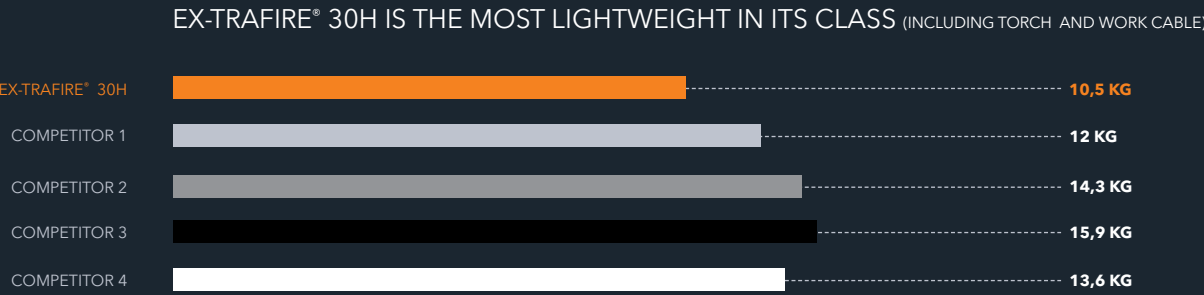
- AMPS (A) 10-30
- INPUT VOLTAGE (VAC) 230V ± 15%
- PLASMA GAS COMPRESSED AIR
- CERTIFICATION CE, C-TICK, CCC
- MODES CUTTING
- FREQUENCY (HZ) 50/60
- MAXIMUM INPUT POWER (kVA) 4.9
- OUTPUT VOLTAGE (VDC) 92
- DUTY CYCLE @ 40 °C 35% @ 30A, 100% @ 21A
- DIMENSION (L x H x W) MM 470 x 156 x 282
- WEIGHT (KG) 10.5
- RECOMMENDED CUTTING CAPACITY (MM) 8
- SEVERANCE CUTTING CAPACITY (MM) 10
- PIERCING CUTTING CAPACITY (MM) 8
- AIR FLOW @ (LPM/BAR) 120 @ 4,5
- MAXIMUM INPUT PRESSURE (BAR/PSI) 10/145
- PROTECTION LEVEL IP23S
- INSULATION CLASS H/F
- CNC INTERFACE NO
- INDUSTRY 4.0 NO
- TYPE OF HAND TORCH FHT-EX®30H



MILD STEEL CUTTING CAPACITY IN MILLIMETRES



COMPARISON WITH COMPETITIVE PLASMA CUTTING MACHINES



ORDERING INFORMATION

Description	Length	Part No.
HAND TORCH		
EX-TRAFIRE®30H CE 230VAC±20% Hand System/ FHT-EX®30H-FC 4m/H Starter Kit	4m	EX-1-010-005
EX-TRAFIRE®30H C-TICK 230VAC±20% Hand System/ FHT-EX®30H-FC 4m/H Starter Kit	4m	EX-1-010-006

AVAILABLE BULK PACK

Description	Part No.
Bulk Pack - Electrode - 25pcs	EX-2-434-014
Bulk Pack - Nozzle 30A 0,8mm - 25pcs	EX-2-435-015
Bulk Pack - Hand (contact) Shield 30A - 18pcs	EX-2-436-016
Bulk Pack - Machine Shield 30A - 18pcs	EX-2-437-017

ACCESSORIES

Description	STD Package QTY	Part No.
DN 7.2 ES Quick Connect Plug with male thread G 1/4"	1	EX-0-802-001
DN 7.2 ES Quick Connect Coupling with male thread G 1/4"	1	EX-0-802-002
Grease 25ml	1	EX-0-805-001
Filter-EX Compressed Air Filter	1	EX-0-804-001
Filter-EX Air Filter Cartridge	8	EX-0-804-002
Circle cutting guide kit for FHT-EX®30/40H	1	EX-2-801-001

STARTER KIT CONTENT

Description	PCS
Electrode	4
Nozzle	4
Shield	4
Swirl Ring	1
O-Rings	1



FRONT VIEW

BACK VIEW



SIDE VIEW

FHT-EX® 30H



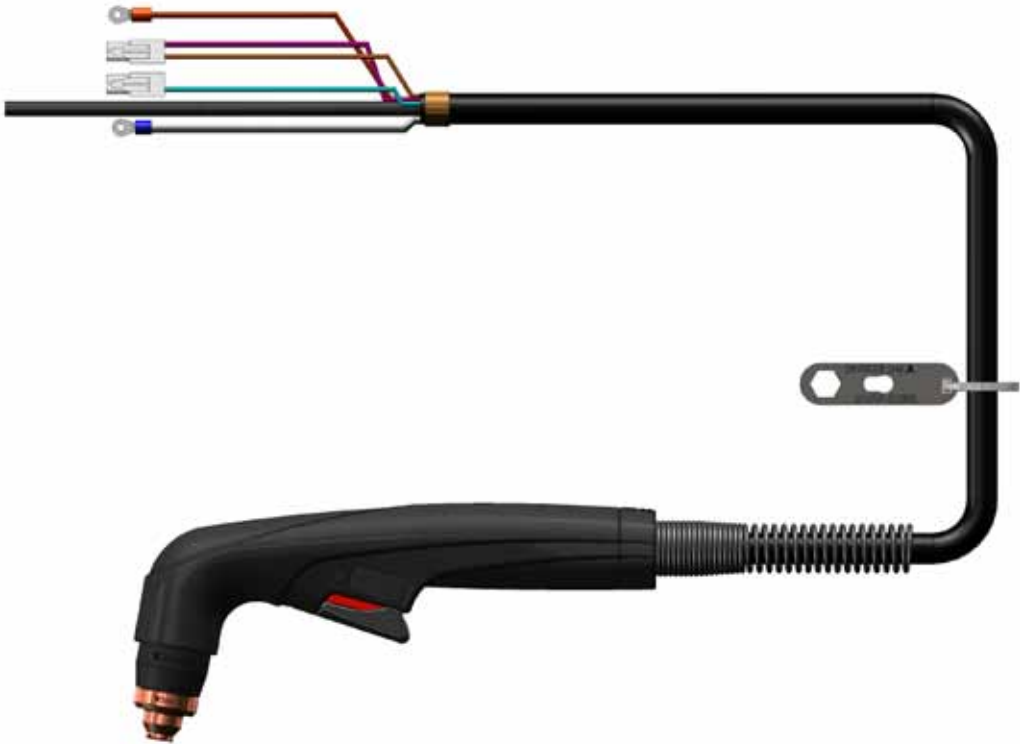
Thermacut, the world’s leading producers of aftermarket plasma consumables, has decided to take an important step in evaluating our brand awareness in regards to our self-produced torches and power supplies.

FHT-EX® TORCHES ARE DESIGNED FOR SINGLE GAS PLASMA CUTTING PROCESSES WITH MOSTLY CONTACT ARC IGNITION. THE FHT-EX® PLASMA CUTTING TORCH IS DESIGNED AS A SINGLE GAS TORCH FOR MANUAL OR MECHANIZED CUTTING APPLICATIONS WITH GOUGING CAPABILITIES.

Our goal is to launch into global markets by showcasing our range of plasma supplies EX-TRAFIRE®. Our power supplies are directly comparable to the power supplies of some of the world’s leading manufacturers, and will be coupled with our self-produced plasma torches under the name FHT-EX®.

FHT-EX® 30H

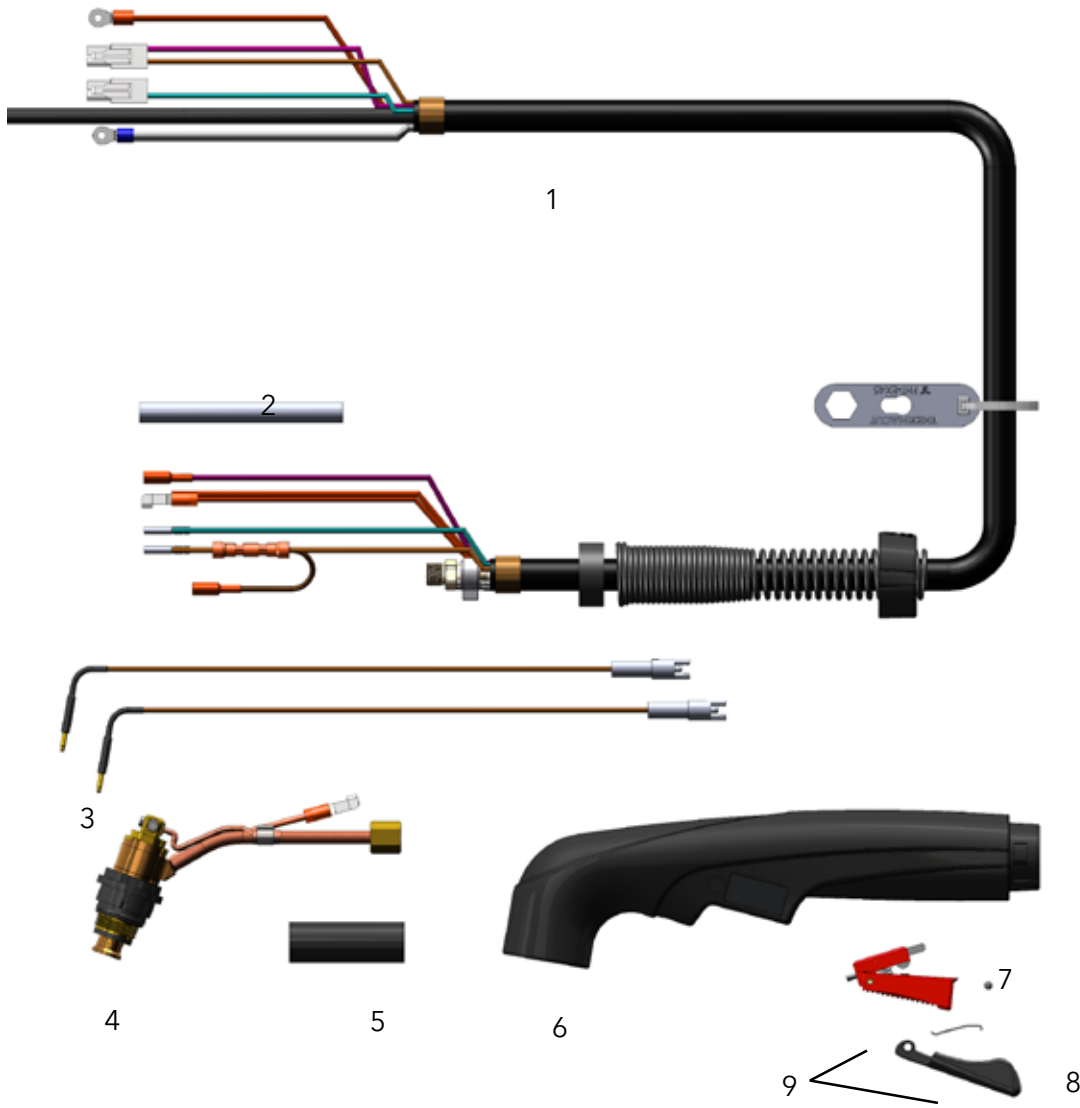
HAND TORCH ASSEMBLY



Item	Part No.	Description
1.	EX-1-134-001	FHT-EX®30H Hand Torch Assembly with 4m Lead/FC

FHT-EX®30H

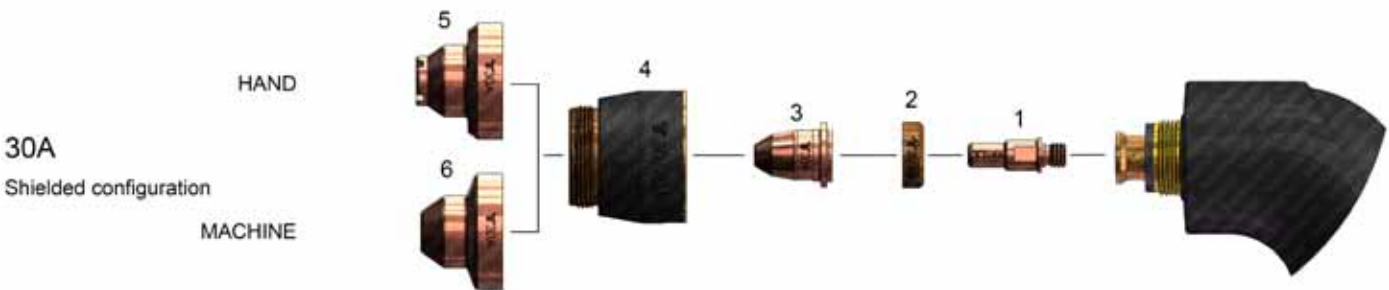
HAND TORCH COMPONENTS



Item	Part No.	Description	Item	Part No.	Description
1.	EX-1-373-001	Hand Torch Lead Replacement Kit 4m Lead/FC	6.	EX-2-314-015	Hand Torch Handle Replacement Kit
2.	EX-0-319-021	Insulating Teflon Tube	7.	EX-5-309-013	Trigger
3.	EX-2-304-020	Hand Torch PIP Pins Replacement Kit (with Wires)	8.	EX-5-310-014	Trigger Guard
4.	EX-2-302-009	Hand Torch Body FHT-EX®30H	9.	EX-5-313-018	Safety Trigger Replacement Kit
5.	EX-0-319-011	Shrink Tube			

CONSUMABLES

HAND TORCH CONSUMABLES



Item	Part No.	Description	Item	Part No.	Description
1.	EX-2-401-001	Electrode	6.	EX-2-421-006	Machine Shield 30A
2.	EX-2-404-002	Swirl Ring	NS	EX-2-434-014	Bulk Pack - Electrode - 25pcs
3.	EX-2-409-003	Nozzle 30A, 0.8mm	NS	EX-2-435-015	Bulk Pack - Nozzle 30A 0.8mm - 25pcs
4.	EX-2-415-004	Nozzle Retaining Cap (Protection Cap)	NS	EX-2-437-017	Bulk Pack - Machine Shield 30A - 18pcs
5.	EX-2-419-005	Hand Shield 30A			

NS - Not shown

⚠ FOR USE WITH CIRCLE CUTTING GUIDE OR FOR BEVEL CUTTING.



EX-TRA[®]FIRE 30SC

**HANDHELD AND
MECHANIZED
PLASMA CUTTING
POWER SUPPLY**

EX-TRAFIRE® 30SC



FIELD OF APPLICATION

WORKSHOPS

ADVANTAGE **COST EFFECTIVE**

TRAINING SCHOOLS

ADVANTAGE **EASY TO OPERATE**

CONSTRUCTION

ADVANTAGE **PORTABLE**

GENERAL MANUFACTURING

ADVANTAGE **ALL PURPOSE**

RENTAL FLEETS

ADVANTAGE **MAINTANANCE**

STRUCTURAL STEEL PRODUCERS

ADVANTAGE **EASY TO SETUP**

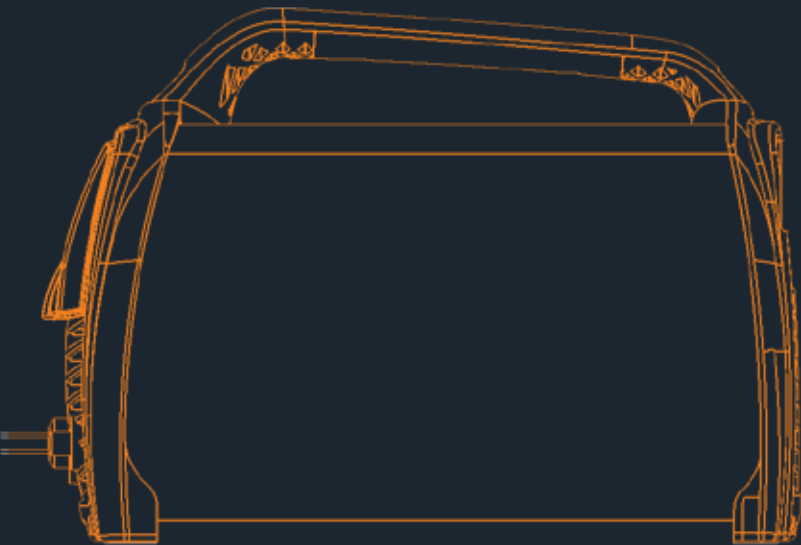
PIPELINE PRODUCERS

ADVANTAGE **ALL IN ONE**

MINING

ADVANTAGE **DURABLE**

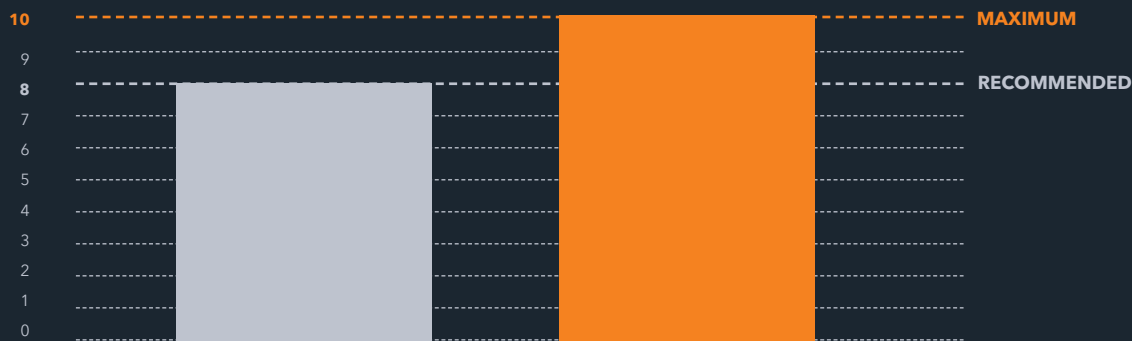
EX-TRAFIRE® 30SC



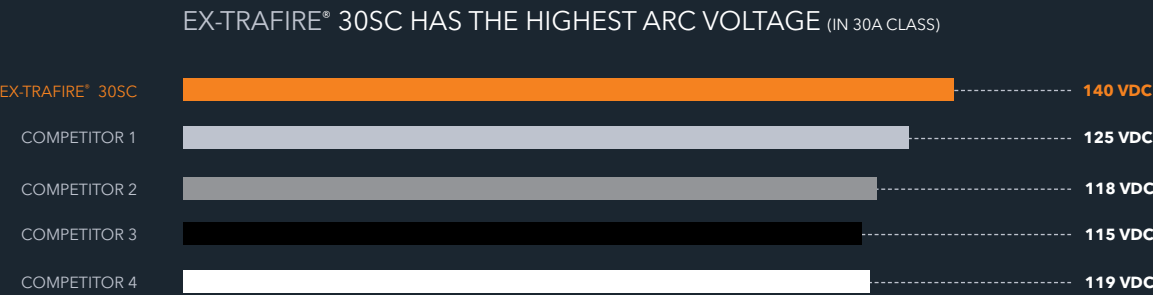
SPECIFICATIONS

- AMPS (A) 10-30
- INPUT VOLTAGE (VAC) 230V ± 15%
- PLASMA GAS COMPRESSED AIR
- CERTIFICATION CE, C-TICK, CCC
- MODES CUTTING
- FREQUENCY (HZ) 50/60
- MAXIMUM INPUT POWER (kVA) 5.2
- OUTPUT VOLTAGE (VDC) 140
- DUTY CYCLE @ 40 °C 60% @ 30A , 100% @25A
- DIMENSION (L x H x W) MM 469.9 x 228.6 x 177
- WEIGHT (KG) 11.8
- RECOMMENDED CUTTING CAPACITY (MM) 8
- SEVERANCE CUTTING CAPACITY (MM) 10
- PIERCING CUTTING CAPACITY (MM) 8
- AIR FLOW @ (LPM/BAR) 120 @ 4,5
- MAXIMUM INPUT PRESSURE (BAR/PSI) 10/145
- PROTECTION LEVEL IP23S
- INSULATION CLASS H/F
- CNC INTERFACE YES
- INDUSTRY 4.0 NO
- TYPE OF HAND TORCH FHT-EX®40H
- TYPE OF MACHINE TORCH FHT-EX®40M

MILD STEEL CUTTING CAPACITY IN MILLIMETRES



COMPARISON WITH COMPETITIVE PLASMA CUTTING MACHINES



EX-TRAFIRE®30SC

ORDERING INFORMATION

Description	Length	Part No.
HAND TORCH		
EX-TRAFIRE®30SC CE 120-230V Hand System / FHT-EX®40H-TCS13 4m / H Starter Kit	4m	EX-1-010-001
EX-TRAFIRE®30SC CE 120-230V Hand System / FHT-EX®40H-TCS13 5m / H Starter Kit	5m	EX-1-010-002
EX-TRAFIRE®30SC CE 120-230V Hand System / FHT-EX®40H-TCS13 7.5m / H Starter Kit	7.5m	EX-1-010-003
EX-TRAFIRE®30SC CE 120-230V Hand System / FHT-EX®40H-TCS13 15m / H Starter Kit	15m	EX-1-010-004
MACHINE TORCH		
EX-TRAFIRE®30SC CE 120-230V Machine System / FHT-EX®40M-TCS13 4m / M Starter Kit	4m	EX-1-011-001
EX-TRAFIRE®30SC CE 120-230V Machine System / FHT-EX®40M-TCS13 5m / M Starter Kit	5m	EX-1-011-002
EX-TRAFIRE®30SC CE 120-230V Machine System / FHT-EX®40M-TCS13 7.5m / M Starter Kit	7.5m	EX-1-011-003
EX-TRAFIRE®30SC CE 120-230V Machine System / FHT-EX®40M-TCS13 15m / M Starter Kit	15m	EX-1-011-004

AVAILABLE BULK PACK

Description	Part No.
Bulk Pack – Electrode – 25pcs	EX-2-434-014
Bulk Pack – Nozzle 30A 0.8mm – 25pcs	EX-2-435-015
Bulk Pack – Hand (contact) Shield 30A – 18pcs	EX-2-436-016
Bulk Pack – Machine Shield 30A – 18pcs	EX-2-437-017

ACCESSORIES

Description	STD Package QTY	Part No.
DN 7.2 ES Quick Connect Plug with male thread G 1/4"	1	EX-0-802-001
DN 7.2 ES Quick Connect Coupling with male thread G 1/4"	1	EX-0-802-002
Grease 25ml	1	EX-0-805-001
Filter-EX Compressed Air Filter	1	EX-0-804-001
Filter-EX Air Filter Cartridge	8	EX-0-804-002
Circle cutting guide kit for FHT-EX®30/40H	1	EX-2-801-001

STARTER KIT CONTENT

Description	PCS
Electrode	4
Nozzle	4
Shield	4
Swirl Ring	1
O-Rings	1

EX-TRAFIRE®30SC



FRONT VIEW



BACK VIEW



SIDE VIEW

FHT-EX® 40H



Thermacut, world’s leading producers of aftermarket plasma consumables, has decided to take an important step in evaluating our brand awareness in regards to our self-produced torches and power supplies.

FHT-EX® TORCHES ARE DESIGNED FOR SINGLE GAS PLASMA CUTTING PROCESSES WITH MOSTLY CONTACT ARC IGNITION. THE FHT-EX® PLASMA CUTTING TORCH IS DESIGNED AS A SINGLE GAS TORCH FOR MANUAL OR MECHANIZED CUTTING APPLICATIONS WITH GOUGING CAPABILITIES.

Our goal is to launch into global markets by showcasing our range of plasma supplies EX-TRAFIRE®. Our power supplies are directly comparable to the power supplies of some of the world’s leading manufacturers, and will be coupled with our self-produced plasma torches under the name FHT-EX®.

FHT-EX® 40H

HAND TORCH ASSEMBLY

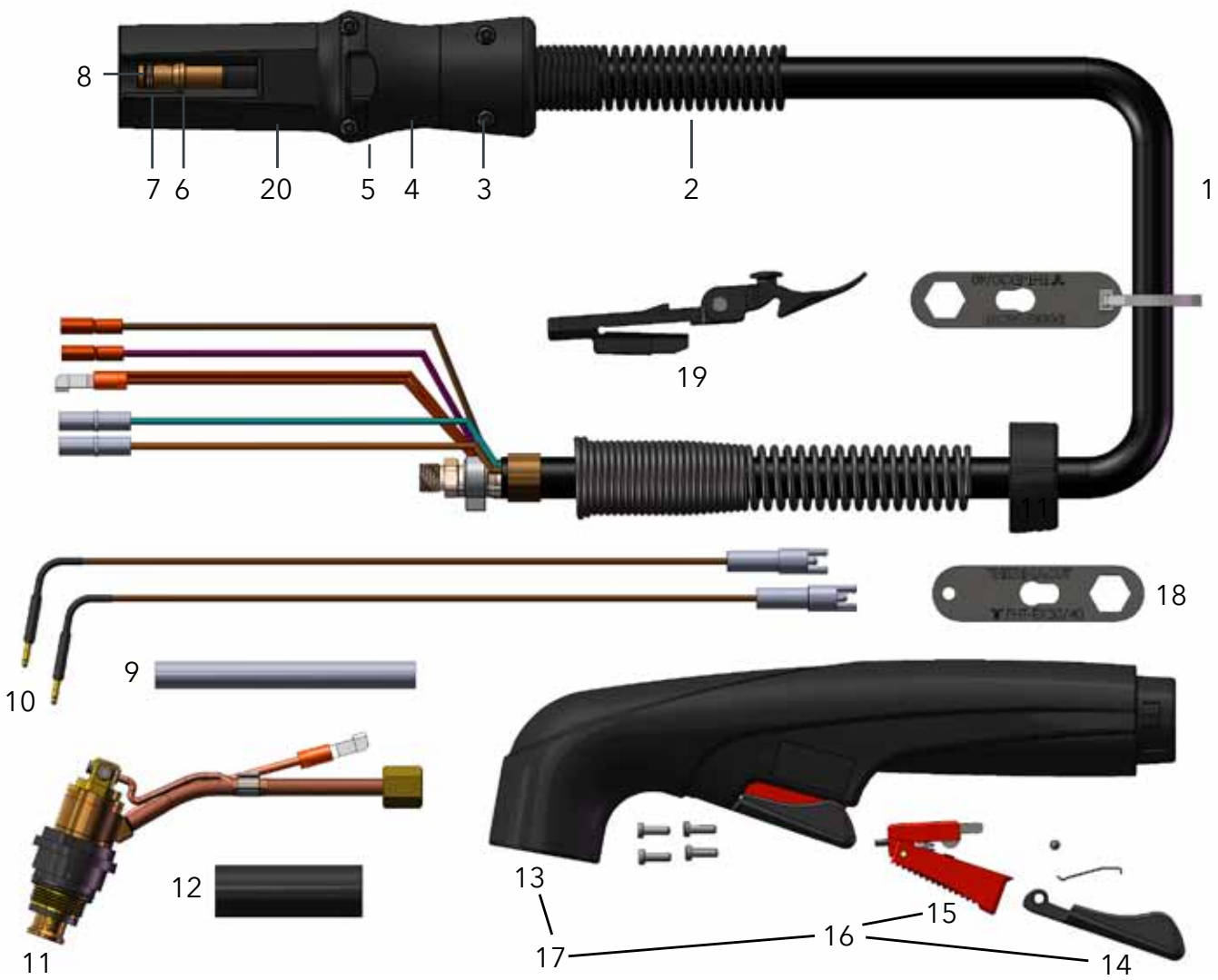


Item	Part No.	Description
1.	EX-2-133-000	DEMO FHT-EX®40H Hand Torch Assembly/TCS13
	EX-2-130-001	FHT-EX®40H Hand Torch Assembly w/o consumables/4m Lead/TCS13
	EX-2-101-003	FHT-EX®40H Hand Torch Assembly w/o consumables/5m Lead/TCS13
	EX-2-131-005	FHT-EX®40H Hand Torch Assembly w/o consumables/7.5m Lead/TCS13
	EX-2-106-007	FHT-EX®40H Hand Torch Assembly w/o consumables/15m Lead/TCS13
2.	EX-0-321-003	Latch with Key Assembly

LATCH WITH KEY IS NOT CONTENT OF TORCHES ABOVE. IF YOU NEED IT, YOU HAVE TO ORDER SEPARATELY.

FHT-EX® 40H

HAND TORCH COMPONENTS



Item	Part No.	Description	Item	Part No.	Description
1	EX-2-328-001	Hand Torch Lead Replacement Kit 4m Lead/TCS13	10	EX-2-304-020	Hand Torch PIP Pins Replacement Kit (w/Wires)
1	EX-2-331-002	Hand Torch Lead Replacement Kit 5m Lead/TCS13	11	EX-2-302-009	Hand Torch Body FHT-EX®40H
1	EX-2-329-003	Hand Torch Lead Replacement Kit 7,5m Lead/TCS13	12	EX-0-319-011	Shrink Tube
1	EX-2-336-004	Hand Torch Lead Replacement Kit 15m Lead/TCS13	13	EX-2-308-012	Hand Torch Handle Kit
2	EX-5-318-001	TCS Plug Spring Strain Relief	14	EX-5-310-014	Trigger Guard
3	EX-0-325-015	TCS Clam Shell Screw	15	EX-5-309-013	Trigger
4	EX-0-325-002	TCS Clam Shell Upper	16	EX-5-313-018	Safety Trigger Replacement Kit
5	EX-0-325-001	TCS Clam Shell Lower	17	EX-2-314-015	Hand Torch Handle Replacement Kit
6	EX-0-325-010	Retaining Ring (Outer circlip ring)	18	EX-2-427-010	Electrode Wrench FHT-EX®30/40
7	EX-0-325-009	O-Ring (fitted in the TCS plug)	19	EX-0-321-003	Latch w/Key Assembly
8	EX-0-325-005	Male Crimp Pin for TCS Plug	20	EX-0-323-001	TCS13 Plug Body
9	EX-0-319-021	Insulating Teflon Tube			

FHT-EX® 40M

MACHINE TORCH ASSEMBLY

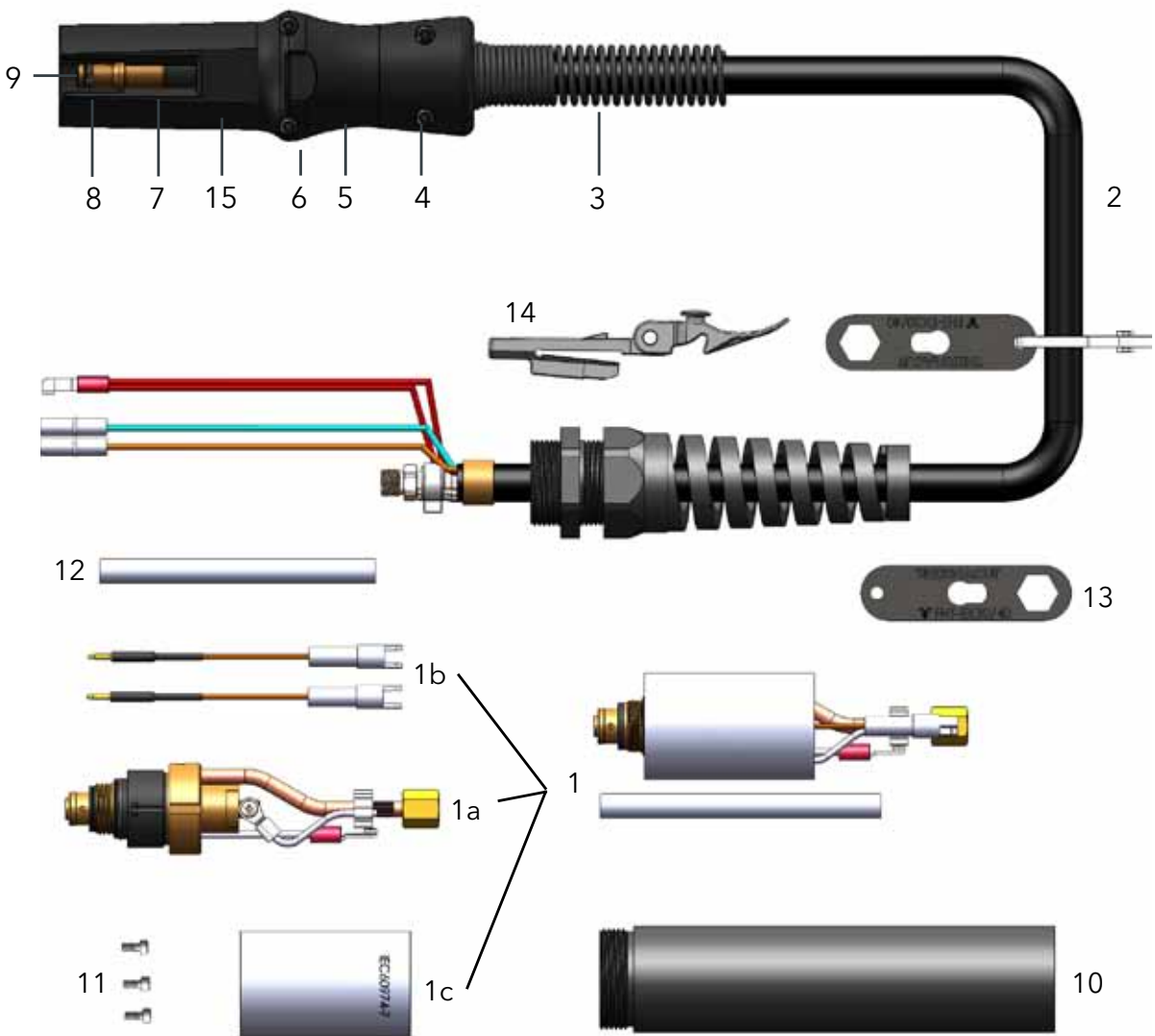


Item	Part No.	Description
1.	EX-2-233-000	DEMO FHT-EX®40M Machine Torch Assembly / TCS13
	EX-2-235-001	FHT-EX®40M Machine Torch Assembly w/o consumables/4m Lead/TCS13
	EX-2-202-003	FHT-EX®40M Machine Torch Assembly w/o consumables/5m Lead/TCS13
	EX-2-236-005	FHT-EX®40M Machine Torch Assembly w/o consumables/7.5m Lead/TCS13
	EX-2-207-007	FHT-EX®40M Machine Torch Assembly w/o consumables/15m Lead/TCS13
⊕ 2.	EX-0-321-003	Latch with Key Assembly

⊕ LATCH WITH KEY IS NOT CONTENT OF TORCHES ABOVE. IF YOU NEED IT, YOU HAVE TO ORDER SEPARATELY.

FHT-EX® 40M

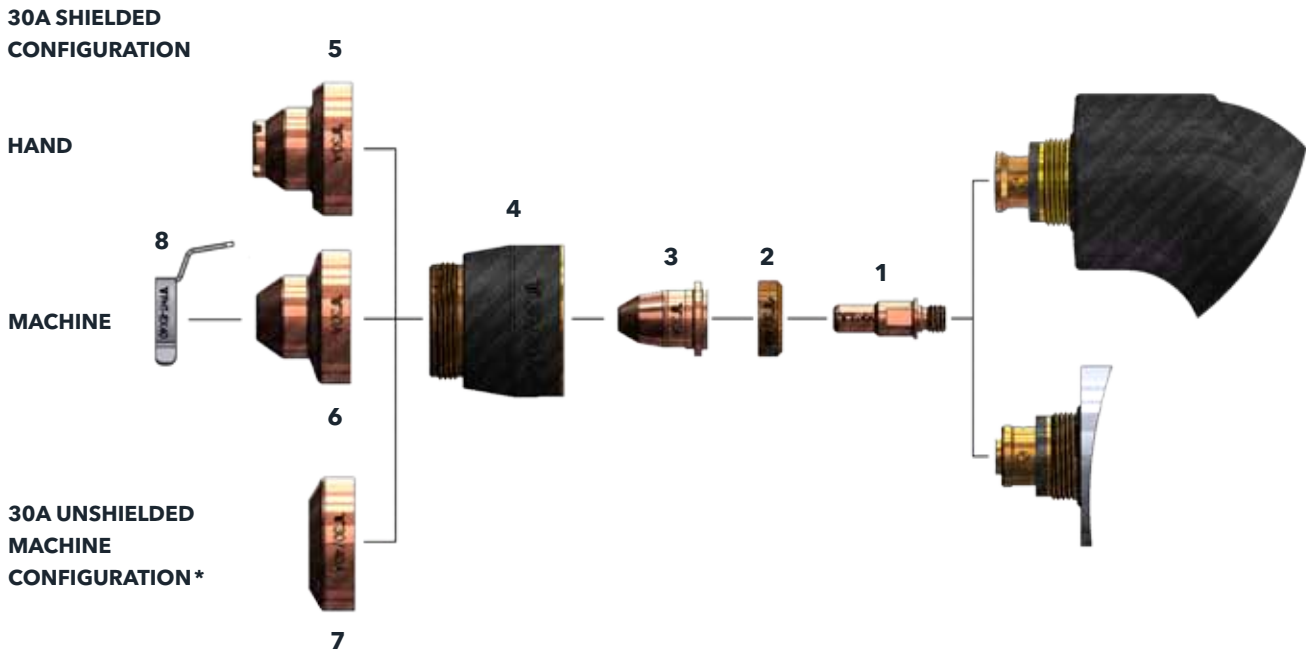
MACHINE TORCH COMPONENTS



Item	Part No.	Description	Item	Part No.	Description
1	EX-2-301-010	Machine Torch Body Assembly FHT-EX®40M	6	EX-0-325-001	TCS Clam Shell Lower
1a	EX-2-301-011	Machine Torch Body FHT-EX®40M	7	EX-0-325-010	Retaining Ring (Outer circlip ring)
1b	EX-2-304-021	Machine Torch PIP Pins Replacement Kit (w/Wires)	8	EX-0-325-009	O-Ring (fitted in the TCS plug)
1c	EX-2-306-022	Torch Mounting Sleeve (incl. screws)	9	EX-0-325-005	Male Crimp Pin for TCS Plug
2	EX-2-326-005	Machine Torch Lead Replacement Kit 4m Lead/TCS13	10	EX-2-306-023	Torch Positioning Sleeve
2	EX-2-352-006	Machine Torch Lead Replacement Kit 5m Lead/TCS13	11	EX-0-372-001	Torch Mounting Screw
2	EX-2-327-007	Machine Torch Lead Replacement Kit 7,5m Lead/TCS13	12	EX-0-319-021	Insulating Teflon Tube
2	EX-2-357-008	Machine Torch Lead Replacement Kit 15m Lead/TCS13	13	EX-2-427-010	Electrode Wrench FHT-EX®40
3	EX-5-318-001	TCS Plug Spring Strain Relief	14	EX-0-321-003	Latch w/Key Assembly
4	EX-0-325-015	TCS Clam Shell Screw	15	EX-0-323-001	TCS13 Plug Body
5	EX-0-325-002	TCS Clam Shell Upper			

CONSUMABLES

HAND / MACHINE TORCH CONSUMABLES



Item	Part No.	Description	Item	Part No.	Description
1.	EX-2-401-001	Electrode	NS	EX-2-434-014	Bulk Pack - Electrode - 25pcs
2.	EX-2-404-002	Swirl Ring	NS	EX-2-435-015	Bulk Pack - Nozzle 30A 0.8mm - 25pcs
3.	EX-2-409-003	Nozzle 30A, 0.8mm	NS	EX-2-437-017	Bulk Pack - Machine Shield 30A - 18pcs
4.	EX-2-415-004	Nozzle Retaining Cap (Protection Cap)			
5.	EX-2-419-005	Hand Shield 30A			
6.	EX-2-421-006	Machine Shield 30A			
7.	EX-2-423-107	Deflector			
8.	EX-2-428-011	IHS Ohmic Clip			

NS - Not shown
* - In countries following CE standards, unshielded consumable configuration may only be used in mechanized torch applications.

EX-TRA FIRE 40SD

**HANDHELD AND
MECHANIZED
PLASMA CUTTING
POWER SUPPLY**

EX-TRAFIRE® 40SD



FIELD OF APPLICATION

WORKSHOPS

ADVANTAGE **COST EFFECTIVE**

TRAINING SCHOOLS

ADVANTAGE **EASY TO OPERATE**

CONSTRUCTION

ADVANTAGE **PORTABLE**

GENERAL MANUFACTURING

ADVANTAGE **ALL PURPOSE**

RENTAL FLEETS

ADVANTAGE **MAINTANANCE**

STRUCTURAL STEEL PRODUCERS

ADVANTAGE **EASY TO SETUP**

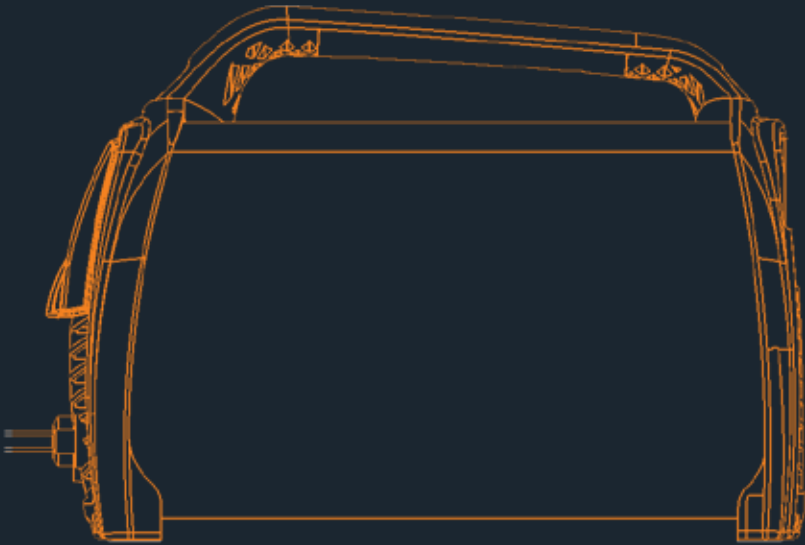
PIPELINE PRODUCERS

ADVANTAGE **ALL IN ONE**

MINING

ADVANTAGE **DURABLE**

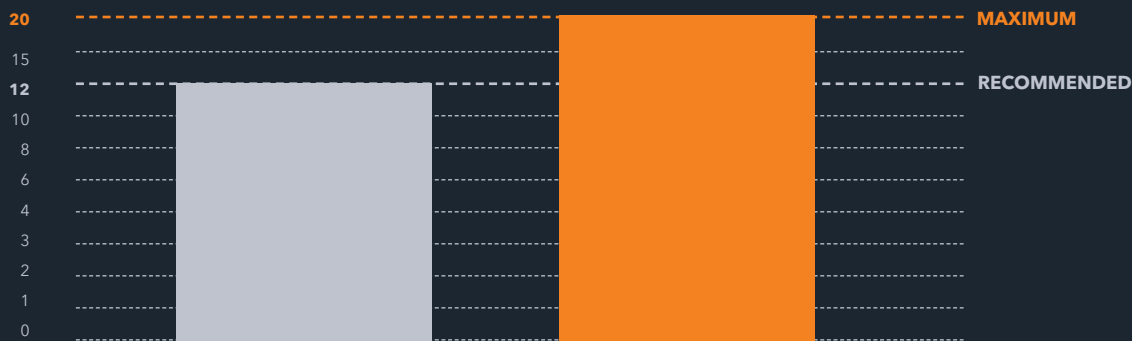
EX-TRAFIRE® 40SD



SPECIFICATIONS

- AMPS (A) 10-40
- INPUT VOLTAGE (VAC) 230V ± 15%
- PLASMA GAS COMPRESSED AIR
- CERTIFICATION CE, C-TICK, CCC
- MODES CUTTING / GOUGING
- FREQUENCY (HZ) 50/60
- MAXIMUM INPUT POWER (KVA) 5.98
- OUTPUT VOLTAGE (VDC) 140
- DUTY CYCLE @ 40 °C 40% @ 40A, 100% @ 25A
- DIMENSION (L x H x W) MM 469.9 x 228.6 x 177
- WEIGHT (KG) 11.8
- RECOMMENDED CUTTING CAPACITY (MM) 12
- SEVERANCE CUTTING CAPACITY (MM) 20
- PIERCING CUTTING CAPACITY (MM) 8
- AIR FLOW @ (LPM/BAR) 120 @ 4,5
- MAXIMUM INPUT PRESSURE (BAR/PSI) 10/145
- PROTECTION LEVEL IP23S
- INSULATION CLASS H/F
- CNC INTERFACE YES
- INDUSTRY 4.0 NO
- TYPE OF HAND TORCH FHT-EX®40H
- TYPE OF STANDARD MACHINE TORCH FHT-EX®40M

MILD STEEL CUTTING CAPACITY IN MILLIMETRES



COMPARISON WITH COMPETITIVE PLASMA CUTTING MACHINES

EX-TRAFIRE® 40SD IS THE MOST Powerful SYSTEM IN IT'S CLASS.

EX-TRAFIRE® 40SD	5,6KW OUTPUT POWER
COMPETITOR 1	5,2KW OUTPUT POWER
COMPETITOR 2	5,3KW OUTPUT POWER
COMPETITOR 3	4,6KW OUTPUT POWER
COMPETITOR 4	3,9KW OUTPUT POWER

EX-TRAFIRE®40SD

ORDERING INFORMATION

Description	Length	Part No.
HAND TORCH		
EX-TRAFIRE®40SD CE 120-230V Hand System / FHT-EX®40H-TCS13 4m / H Starter Kit	4m	EX-2-010-001
EX-TRAFIRE®40SD CE 120-230V Hand System / FHT-EX®40H-TCS13 5m / H Starter Kit	5m	EX-2-010-002
EX-TRAFIRE®40SD CE 120-230V Hand System / FHT-EX®40H-TCS13 7.5m / H Starter Kit	7.5m	EX-2-010-003
EX-TRAFIRE®40SD CE 120-230V Hand System / FHT-EX®40H-TCS13 15m / H Starter Kit	15m	EX-2-010-004
MACHINE TORCH		
EX-TRAFIRE®40SD CE 120-230V Machine System / FHT-EX®40M-TCS13 4m / M Starter Kit	4m	EX-2-011-001
EX-TRAFIRE®40SD CE 120-230V Machine System / FHT-EX®40M-TCS13 5m / M Starter Kit	5m	EX-2-011-002
EX-TRAFIRE®40SD CE 120-230V Machine System / FHT-EX®40M-TCS13 7.5m / M Starter Kit	7.5m	EX-2-011-003
EX-TRAFIRE®40SD CE 120-230V Machine System / FHT-EX®40M-TCS13 15m / M Starter Kit	15m	EX-2-011-004

AVAILABLE BULK PACK

Description	Part No.
Bulk Pack - Electrode - 25pcs	EX-2-434-014
Bulk Pack - Nozzle 30A - 25pcs	EX-2-435-015
Bulk Pack - Hand (contact) Shield 30A - 18pcs	EX-2-436-016
Bulk Pack - Machine Shield 30A - 18pcs	EX-2-437-017
Bulk Pack - Nozzle 40A - 25pcs	EX-2-435-001
Bulk Pack - Hand (contact) Shield 40A - 18pcs	EX-2-436-001
Bulk Pack - Machine Shield 40A - 18pcs	EX-2-437-001

ACCESSORIES

Description	STD Package QTY	Part No.
DN 7.2 ES Quick Connect Plug with female thread G 1/4"	1	EX-0-802-000
DN 7.2 ES Quick Connect Plug with male thread G 1/4"	1	EX-0-802-001
DN 7.2 ES Quick Connect Coupling with male thread G 1/4"	1	EX-0-802-002
Grease 25ml	1	EX-0-805-001
Filter-EX Compressed Air Filter	1	EX-0-804-001
Filter-EX Air Filter Cartridge	8	EX-0-804-002
Circle cutting guide kit for FHT-EX®30/40H	1	EX-2-801-001

STARTER KIT CONTENT

Description	PCS
Electrode	4
Nozzle	4
Shield	4
Swirl Ring	1
O-Rings	1
Cooling Tube O-Ring	1

EX-TRAFIRE®40SD



FRONT VIEW



BACK VIEW



SIDE VIEW

FHT-EX® 40H



VERSATILE AND
CAPABLE TORCH



Thermacut, the world's leading producers of aftermarket plasma consumables, has decided to take an important step in evaluating our brand awareness in regards to our self-produced torches and power supplies.

FHT-EX® TORCHES ARE DESIGNED FOR SINGLE GAS PLASMA CUTTING PROCESSES WITH MOSTLY CONTACT ARC IGNITION. THE FHT-EX® PLASMA CUTTING TORCH IS DESIGNED AS A SINGLE GAS TORCH FOR MANUAL OR MECHANIZED CUTTING APPLICATIONS WITH GOUGING CAPABILITIES.

Our goal is to now launch into global markets by showcasing our range of plasma supplies EX-TRAFIRE®. Our power supplies are directly comparable to the power supplies of some of the world's leading manufacturers, and will be coupled with our self-produced plasma torches under the name FHT-EX®.

FHT-EX® 40H

HAND TORCH ASSEMBLY

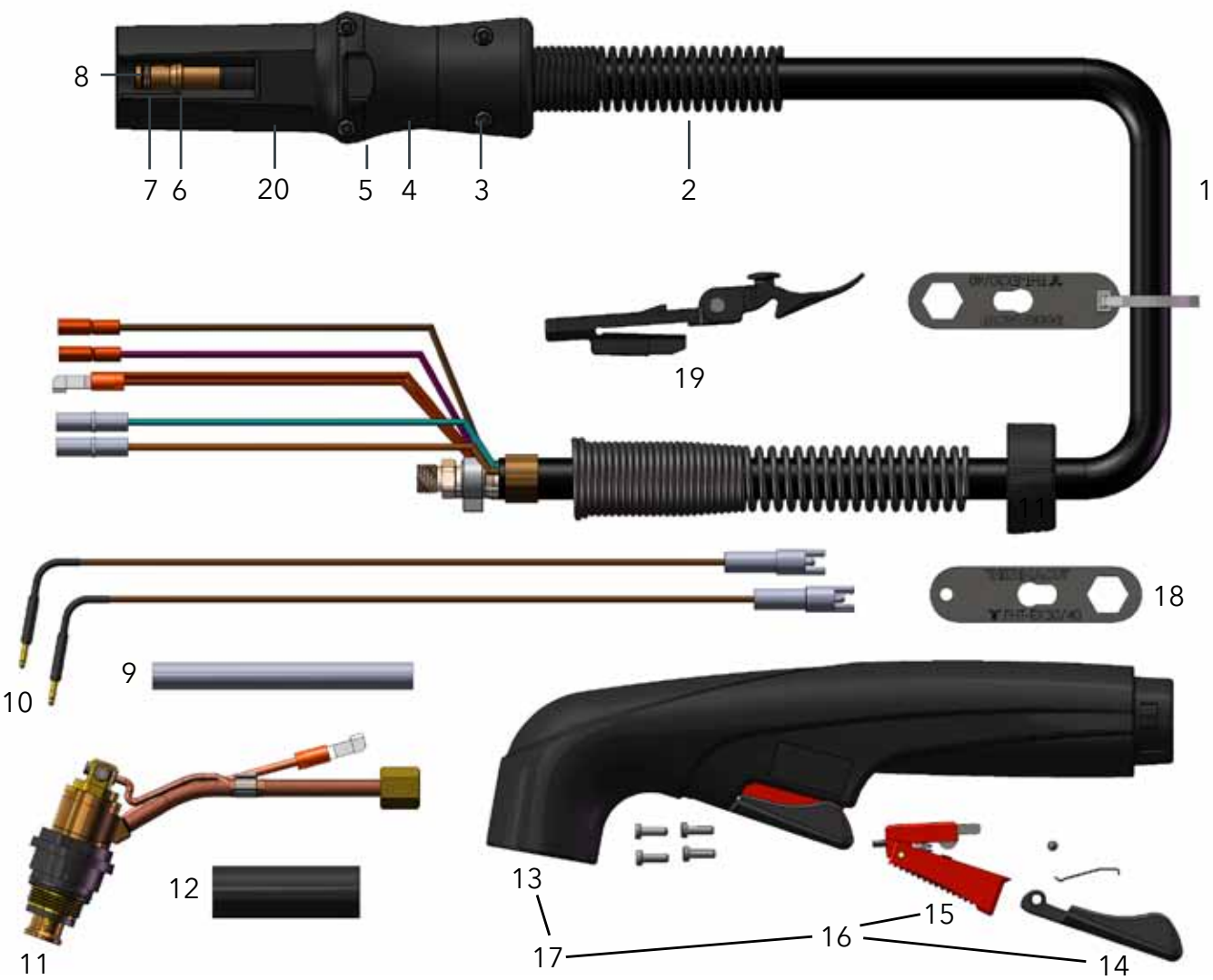


Item	Part No.	Description
1.	EX-2-133-000	DEMO FHT-EX®40H Hand Torch Assembly/TCS13
	EX-2-130-001	FHT-EX®40H Hand Torch Assembly w/o consumables/4m Lead/TCS13
	EX-2-101-003	FHT-EX®40H Hand Torch Assembly w/o consumables/5m Lead/TCS13
	EX-2-131-005	FHT-EX®40H Hand Torch Assembly w/o consumables/7.5m Lead/TCS13
	EX-2-106-007	FHT-EX®40H Hand Torch Assembly w/o consumables/15m Lead/TCS13
2.	EX-0-321-003	Latch with Key Assembly

LATCH WITH KEY IS NOT CONTENT OF TORCHES ABOVE. IF YOU NEED IT, YOU HAVE TO ORDER SEPARATELY.

FHT-EX® 40H

HAND TORCH COMPONENTS



Item	Part No.	Description	Item	Part No.	Description
1	EX-2-328-001	Hand Torch Lead Replacement Kit 4m Lead/TCS13	10	EX-2-304-020	Hand Torch PIP Pins Replacement Kit (w/Wires)
1	EX-2-331-002	Hand Torch Lead Replacement Kit 5m Lead/TCS13	11	EX-2-302-009	Hand Torch Body FHT-EX®40H
1	EX-2-329-003	Hand Torch Lead Replacement Kit 7,5m Lead/TCS13	12	EX-0-319-011	Shrink Tube
1	EX-2-336-004	Hand Torch Lead Replacement Kit 15m Lead/TCS13	13	EX-2-308-012	Hand Torch Handle Kit
2	EX-5-318-001	TCS Plug Spring Strain Relief	14	EX-5-310-014	Trigger Guard
3	EX-0-325-015	TCS Clam Shell Screw	15	EX-5-309-013	Trigger
4	EX-0-325-002	TCS Clam Shell Upper	16	EX-5-313-018	Safety Trigger Replacement Kit
5	EX-0-325-001	TCS Clam Shell Lower	17	EX-2-314-015	Hand Torch Handle Replacement Kit
6	EX-0-325-010	Retaining Ring (Outer circlip ring)	18	EX-2-427-010	Electrode Wrench FHT-EX®30/40
7	EX-0-325-009	O-Ring (fitted in the TCS plug)	19	EX-0-321-003	Latch w/Key Assembly
8	EX-0-325-005	Male Crimp Pin for TCS Plug	20	EX-0-323-001	TCS13 Plug Body
9	EX-0-319-021	Insulating Teflon Tube			

FHT-EX® 40M

MACHINE TORCH ASSEMBLY

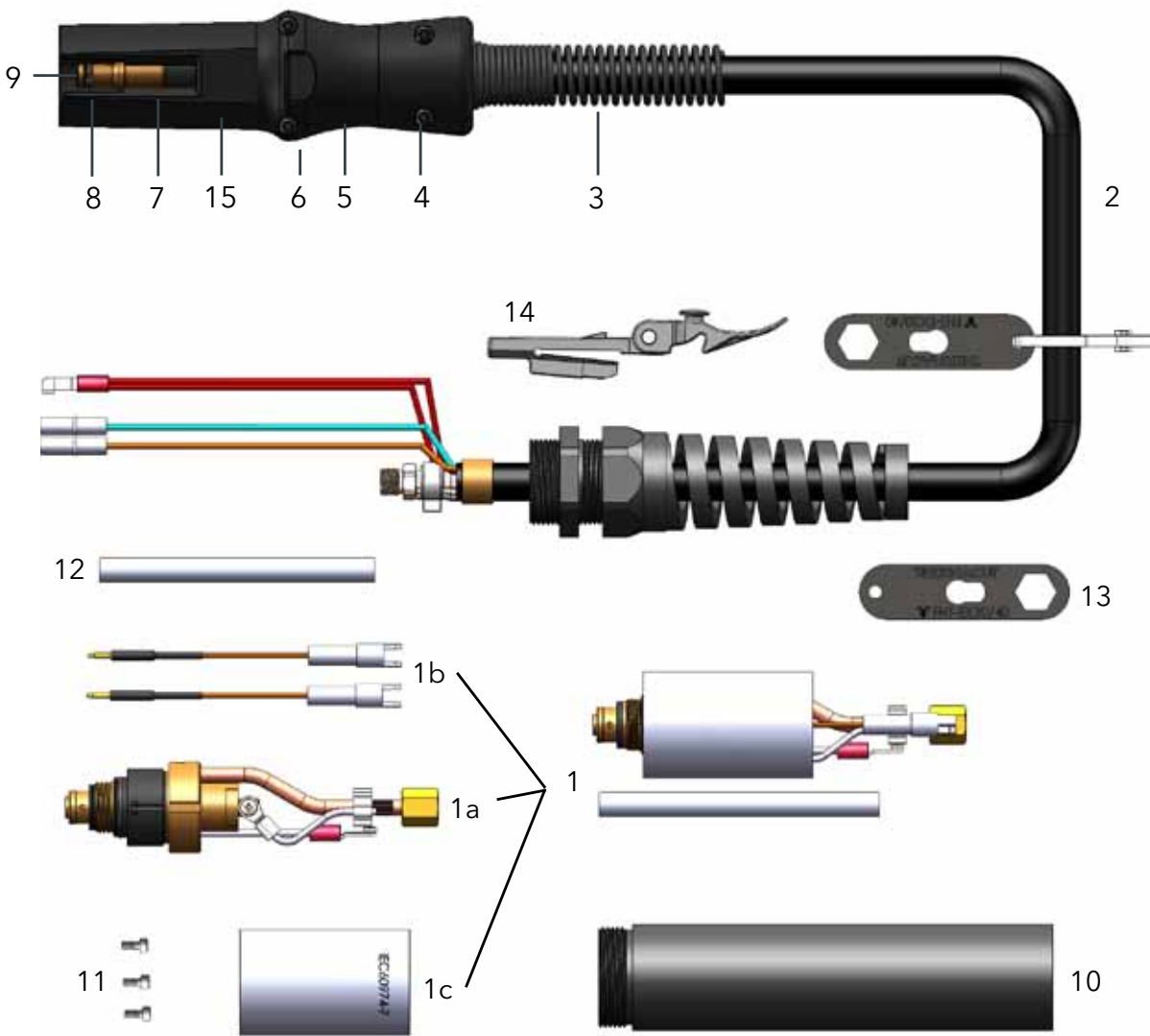


Item	Part No.	Description
1.	EX-2-233-000	DEMO FHT-EX®40M Machine Torch Assembly / TCS13
	EX-2-235-001	FHT-EX®40M Machine Torch Assembly w/o consumables/4m Lead/TCS13
	EX-2-202-003	FHT-EX®40M Machine Torch Assembly w/o consumables/5m Lead/TCS13
	EX-2-236-005	FHT-EX®40M Machine Torch Assembly w/o consumables/7.5m Lead/TCS13
	EX-2-207-007	FHT-EX®40M Machine Torch Assembly w/o consumables/15m Lead/TCS13
⊕ 2.	EX-0-321-003	Latch with Key Assembly

⊕ LATCH WITH KEY IS NOT CONTENT OF TORCHES ABOVE. IF YOU NEED IT, YOU HAVE TO ORDER SEPARATELY.

FHT-EX® 40M

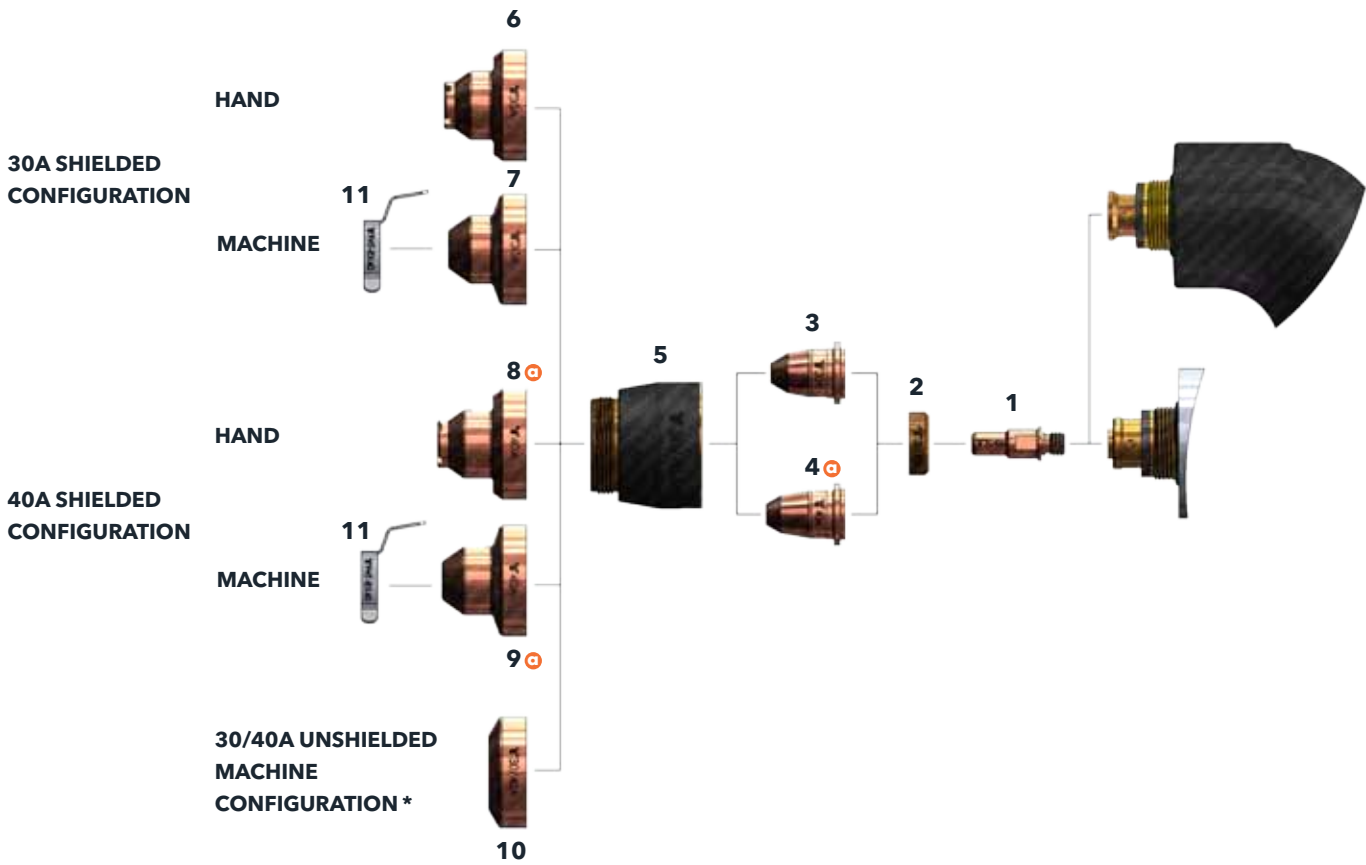
MACHINE TORCH COMPONENTS



Item	Part No.	Description	Item	Part No.	Description
1	EX-2-301-010	Machine Torch Body Assembly FHT-EX®40M	6	EX-0-325-001	TCS Clam Shell Lower
1a	EX-2-301-011	Machine Torch Body FHT-EX®40M	7	EX-0-325-010	Retaining Ring (Outer circlip ring)
1b	EX-2-304-021	Machine Torch PIP Pins Replacement Kit (w/Wires)	8	EX-0-325-009	O-Ring (fitted in the TCS plug)
1c	EX-2-306-022	Torch Mounting Sleeve (incl. screws)	9	EX-0-325-005	Male Crimp Pin for TCS Plug
2	EX-2-326-005	Machine Torch Lead Replacement Kit 4m Lead/TCS13	10	EX-2-306-023	Torch Positioning Sleeve
2	EX-2-352-006	Machine Torch Lead Replacement Kit 5m Lead/TCS13	11	EX-0-372-001	Torch Mounting Screw
2	EX-2-327-007	Machine Torch Lead Replacement Kit 7,5m Lead/TCS13	12	EX-0-319-021	Insulating Teflon Tube
2	EX-2-357-008	Machine Torch Lead Replacement Kit 15m Lead/TCS13	13	EX-2-427-010	Electrode Wrench FHT-EX®40
3	EX-5-318-001	TCS Plug Spring Strain Relief	14	EX-0-321-003	Latch w/Key Assembly
4	EX-0-325-015	TCS Clam Shell Screw	15	EX-0-323-001	TCS13 Plug Body
5	EX-0-325-002	TCS Clam Shell Upper			

CONSUMABLES

HAND / MACHINE TORCH CONSUMABLES



Item	Part No.	Description	Item	Part No.	Description
1.	EX-2-401-001	Electrode	9.	EX-2-421-001	Machine Shield 40A
2.	EX-2-404-002	Swirl Ring	10.	EX-2-423-107	Deflector
3.	EX-2-409-003	Nozzle 30A, 0.8mm	NS	EX-2-434-014	Bulk Pack - Electrode - 25pcs
4.	EX-2-409-001	Nozzle 40A, 0.9mm	NS	EX-2-435-015	Bulk Pack - Nozzle 30A 0.8mm - 25pcs
5.	EX-2-415-004	Nozzle Retaining Cap (Protection Cap)	NS	EX-2-435-001	Bulk Pack - Nozzle 40A 0.9mm - 25pcs
6.	EX-2-419-005	Hand Shield 30A	NS	EX-2-437-017	Bulk Pack - Machine Shield 30A - 18pcs
7.	EX-2-421-006	Machine Shield 30A	NS	EX-2-437-001	Bulk Pack - Machine Shield 40A - 18pcs
8.	EX-2-419-001	Hand Shield 40A	11.	EX-2-428-011	IHS Ohmic Clip

NS- NOT SHOWN

* - In countries following CE standards, unshielded consumable configuration may only be used in mechanized torch applications.

ONLY FOR EX-TRAFIRE®40SD

EX-TRAFIRE 55SD



**HANDHELD
PLASMA CUTTING
POWER SUPPLY**

EX-TRAFIRE® 55SD



FIELD OF APPLICATION

WORKSHOPS

ADVANTAGE **COST EFFECTIVE**

TRAINING SCHOOLS

ADVANTAGE **EASY TO OPERATE**

CONSTRUCTION

ADVANTAGE **PORTABLE**

GENERAL MANUFACTURING

ADVANTAGE **ALL PURPOSE**

RENTAL FLEETS

ADVANTAGE **MAINTANANCE**

STRUCTURAL STEEL PRODUCERS

ADVANTAGE **EASY TO SETUP**

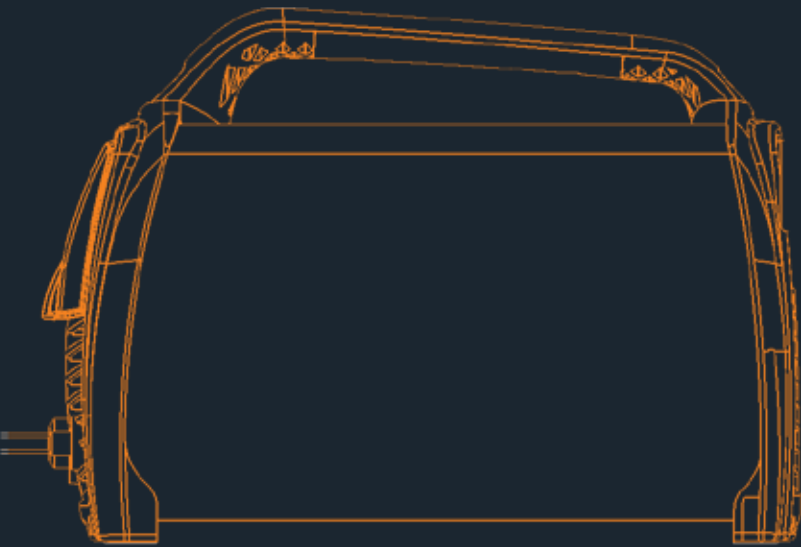
PIPELINE PRODUCERS

ADVANTAGE **ALL IN ONE**

MINING

ADVANTAGE **DURABLE**

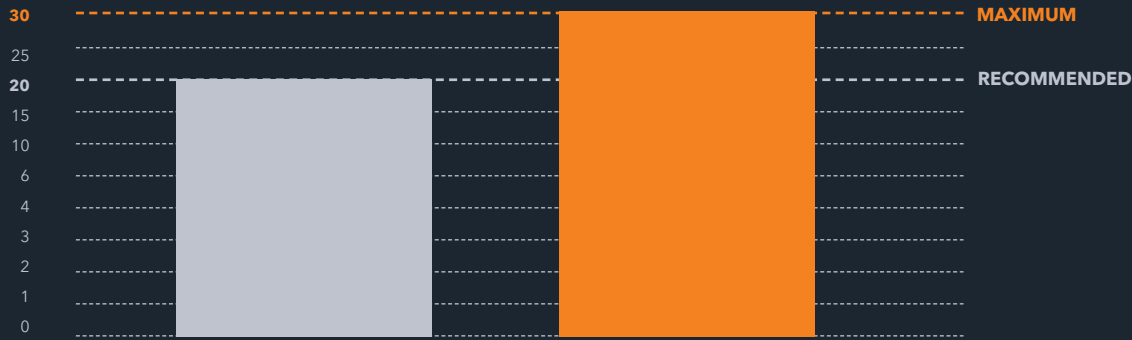
EX-TRAFIRE® 55SD



SPECIFICATIONS

- AMPS (A) 30-55
- INPUT VOLTAGE (VAC) 400V ± 15%
- PLASMA GAS COMPRESSED AIR
- CERTIFICATION CE, C-TICK, CCC
- MODES CUTTING / GRID CUTTING
- FREQUENCY (HZ) 50/60
- MAXIMUM INPUT POWER (KVA) 14.9
- OUTPUT VOLTAGE (VDC) 170
- DUTY CYCLE @ 40 °C 50% @ 55A, 100% @ 41A
- DIMENSION (L x H x W) MM 469.9 x 228.6 x 177
- WEIGHT (KG) 11.8
- RECOMMENDED CUTTING CAPACITY (MM) 20
- SEVERANCE CUTTING CAPACITY (MM) 30
- PIERCING CUTTING CAPACITY (MM) 20
- AIR FLOW @ (LPM/BAR) 270 @ 5,5
- MAXIMUM INPUT PRESSURE (BAR/PSI) 10/145
- PROTECTION LEVEL IP23S
- INSULATION CLASS H/F
- CNC INTERFACE YES
- INDUSTRY 4.0 NO
- TYPE OF HAND TORCH FHT-EX®105H

MILD STEEL CUTTING CAPACITY IN MILLIMETRES



COMPARISON WITH COMPETITIVE PLASMA CUTTING MACHINES

EX-TRAFIRE® 55SD IS THE MOST Powerful SYSTEM IN IT'S CLASS.

EX-TRAFIRE® 55SD	9,35KW OUTPUT POWER
COMPETITOR 1	8,37KW OUTPUT POWER
COMPETITOR 2	8,9KW OUTPUT POWER
COMPETITOR 3	7,83KW OUTPUT POWER
COMPETITOR 4	6,9KW OUTPUT POWER

EX-TRAFIRE®55SD

ORDERING INFORMATION

Description	Length	Part No.
HAND TORCH		
EX-TRAFIRE®55SD CE 400 V Hand System/ FHT-EX®105H Torch 5m/H Starter Kit	5m	EX-3-010-005
EX-TRAFIRE®55SD CE 400 V Hand System/ FHT-EX®105H Torch 8m/H Starter Kit	8m	EX-3-010-006
EX-TRAFIRE®55SD CE 400 V Hand System/ FHT-EX®105H Torch 15m/H Starter Kit	15m	EX-3-010-007

AVAILABLE BULK PACK

Description	Part No.
Bulk Pack - Electrode 45-85A - 25pcs	EX-5-434-038
Bulk Pack - Nozzle 45A, 1.0mm, S - 25pcs	EX-5-435-037
Bulk Pack - Nozzle 55/65A, 1.15mm, S - 25pcs	EX-5-435-001
Bulk Pack - Hand (contact) Shield 45-85A - 16pcs	EX-5-436-033
Bulk Pack - Machine Shield 45-85A - 16pcs	EX-5-437-035
Bulk Pack - Gouging Nozzle - 25pcs	EX-5-440-002
Bulk Pack - Gouging Shield - 16pcs	EX-5-440-005

ACCESSORIES

Description	STD Package QTY	Part No.
DN 7.2 ES Quick Connect Plug with female thread G 1/4"	1	EX-0-802-000
DN 7.2 ES Quick Connect Plug with male thread G 1/4"	1	EX-0-802-001
DN 7.2 ES Quick Connect Coupling with male thread G 1/4"	1	EX-0-802-002
Grease 25ml	1	EX-0-805-001
Filter-EX Compressed Air Filter	1	EX-0-804-001
Filter-EX Air Filter Cartridge	8	EX-0-804-002
Circle cutting guide kit for FHT-EX®105H	1	EX-5-801-001

STARTER KIT CONTENT

Description	PCS
Electrode	4
Nozzle	4
Shield	4
Swirl Ring	1
O-Rings	1
Cooling Tube O-Ring	1

EX-TRAFIRE®55SD



FRONT VIEW



BACK VIEW



SIDE VIEW

FHT-EX® 105H



EXTREMELY FLEXIBLE
AND POWERFUL



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FHT-EX® TORCHES ARE DESIGNED FOR SINGLE GAS PLASMA CUTTING PROCESSES WITH MOSTLY CONTACT ARC IGNITION. THE FHT-EX® PLASMA CUTTING TORCH IS DESIGNED AS A SINGLE GAS TORCH FOR MANUAL OR MECHANIZED CUTTING APPLICATIONS WITH GOUGING CAPABILITIES.

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FHT-EX® 105H

HAND TORCH ASSEMBLY

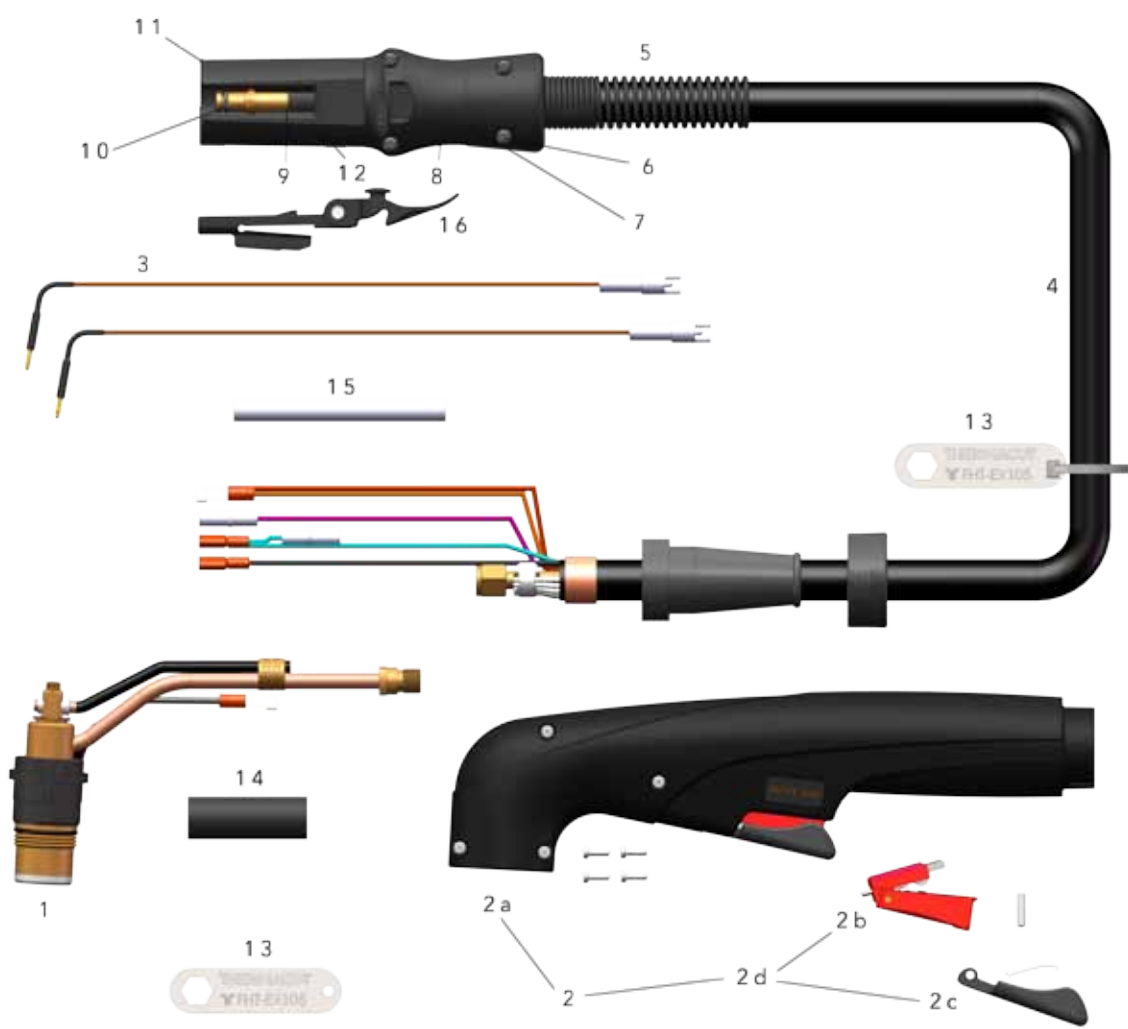


Item	Part No.	Description
1.	EX-5-133-001	DEMO FHT-EX®105H Hand Torch Assembly/TCS13
	EX-5-101-041	FHT-EX®105H Hand Torch Assembly-w/o consumables w/5m (16.5') Lead/ TCS13
	EX-5-103-041	FHT-EX®105H Hand Torch Assembly-w/o consumables w/8m (26') Lead/ TCS13
	EX-5-106-041	FHT-EX®105H Hand Torch Assembly-w/o consumables w/15m (50') Lead/ TCS13
2.	EX-0-321-003	Latch with Key Assembly

LATCH WITH KEY IS NOT CONTENT OF TORCHES ABOVE. IF YOU NEED IT, YOU HAVE TO ORDER SEPARATELY.

FHT-EX®105H

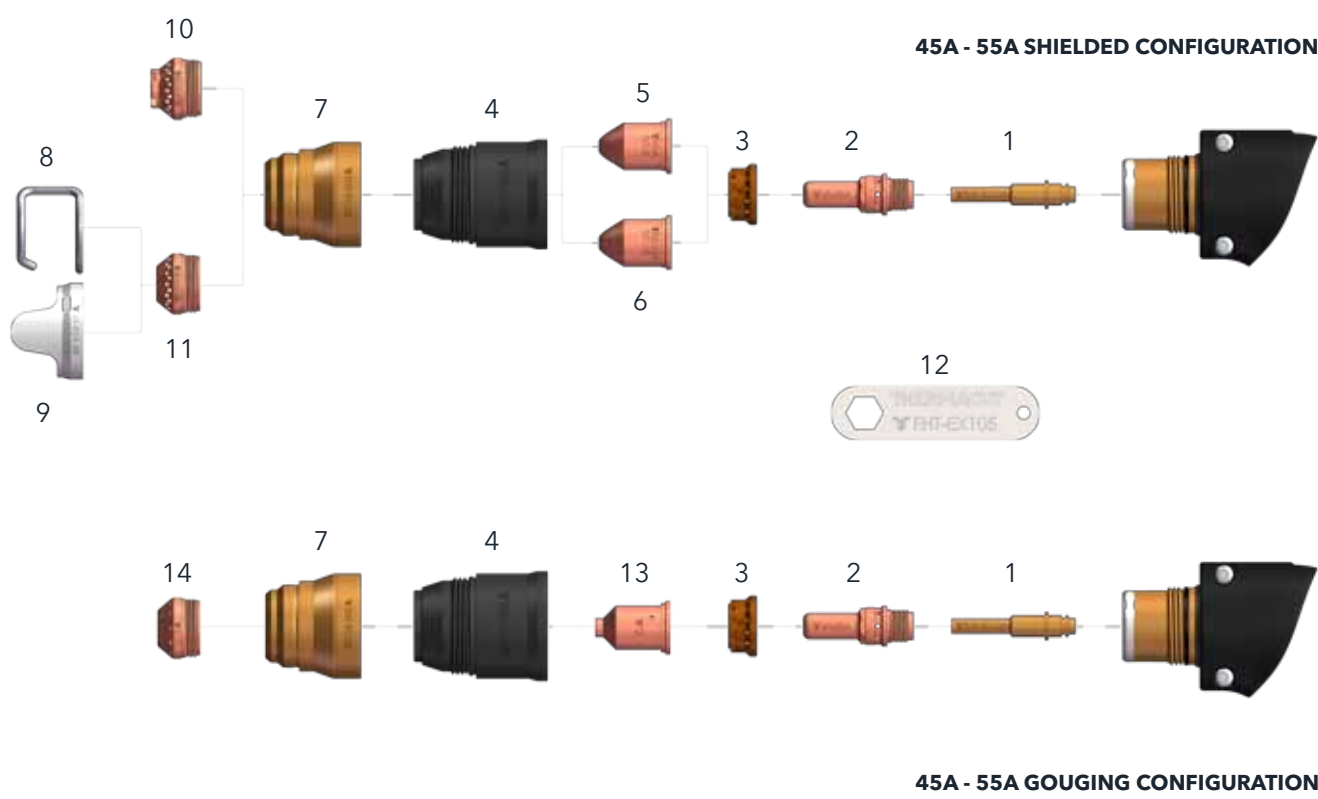
HAND TORCH COMPONENTS



Item	Part No.	Description	Item	Part No.	Description
1	EX-5-302-004	Hand Torch Body FHT-EX®105H	6	EX-0-325-015	TCS Clam Shell Screw
2	EX-5-314-019	Hand Torch Handle Replacement Kit	7	EX-0-325-002	TCS Clam Shell Upper
2a	EX-5-308-012	Hand Torch Handle - Kit	8	EX-0-325-001	TCS Clam Shell Lower
2b	EX-5-309-013	Trigger	9	EX-0-325-010	Retaining Ring (Outer circlip ring)
2c	EX-5-310-014	Trigger Guard	10	EX-0-325-009	O-Ring (fitted in the TCS plug)
2d	EX-5-313-018	Safety trigger Replacement Kit	11	EX-0-325-005	Male Crimp Pin for TCS Plug
3	EX-5-304-006	Hand Torch PIP Pins Replacement Kit (w/Wires)	12	EX-0-323-001	TCS13 Plug Body
4	EX-5-374-001	Hand Torch Lead Replacement Kit 5m (16.5') Lead/TCS13	13	EX-5-427-021	Electrode Wrench FHT-EX®105
4	EX-5-374-002	Hand Torch Lead Replacement Kit 8m (26') Lead/TCS13	14	EX-0-319-011	Shrinking Tube
4	EX-5-374-003	Hand Torch Lead Replacement Kit 15m (50') Lead/TCS13	15	EX-0-319-021	Insulating Teflon Tube
5	EX-5-318-001	TCS Plug Spring Strain Relief	16	EX-0-321-003	Latch w/Key Assembly

CONSUMABLES

HAND TORCH CONSUMABLES



Item	Part No.	Description	Item	Part No.	Description
1	EX-5-400-001	Cooling Tube FHT-EX®105	9	EX-5-430-023	Double Pointed Spacer 45-85A, S
2	EX-5-401-003	Electrode 45-85A	10	EX-5-419-017	Hand (contact) Shield 45-85A, S
3	EX-5-404-005	Swirl Ring, Contact Ignition	11	EX-5-421-019	Machine Shield 45-85A, S
4	EX-5-415-006	Nozzle Retaining Cap (Protection Cap)	12	EX-5-427-021	Electrode Wrench FHT-EX®105
5	EX-5-409-007	Nozzle 45A, 1.0mm, S	13	EX-5-440-001	Gouging Nozzle
6	EX-5-409-008	Nozzle 55/65A, 1.15mm, S	14	EX-5-440-004	Gouging Shield
7	EX-5-429-012	Shield / Spacer Retainer			
8	EX-5-424-013	Distance Spring 45-85A, S			

EX-TRA FIRE 75SD

**HANDHELD
PLASMA CUTTING
POWER SUPPLY**



EX-TRAFIRE® 75SD



FIELD OF APPLICATION

WORKSHOPS

ADVANTAGE **COST EFFECTIVE**

TRAINING SCHOOLS

ADVANTAGE **EASY TO OPERATE**

CONSTRUCTION

ADVANTAGE **PORTABLE**

GENERAL MANUFACTURING

ADVANTAGE **ALL PURPOSE**

RENTAL FLEETS

ADVANTAGE **MAINTANANCE**

STRUCTURAL STEEL PRODUCERS

ADVANTAGE **EASY TO SETUP**

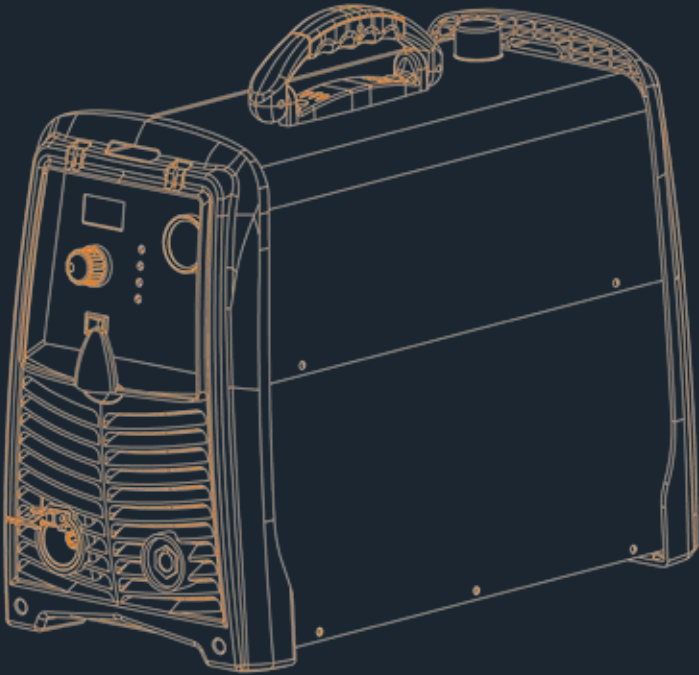
PIPELINE PRODUCERS

ADVANTAGE **ALL IN ONE**

MINING

ADVANTAGE **DURABLE**

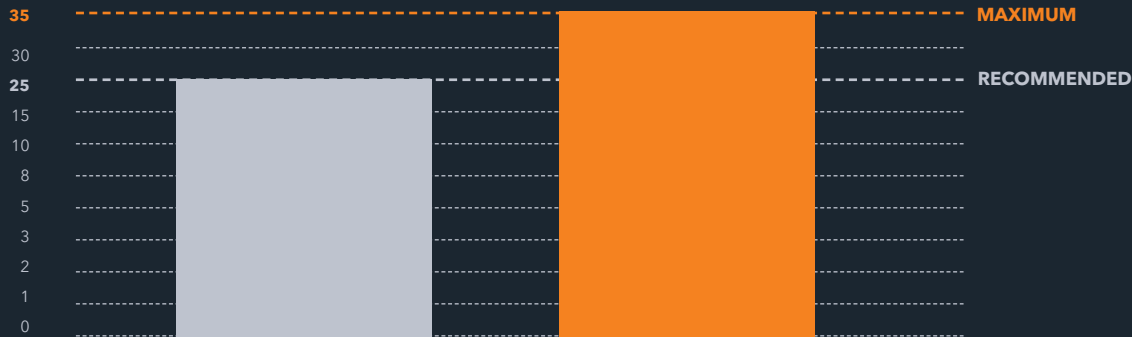
EX-TRAFIRE® 75SD



SPECIFICATIONS

- AMPS (A) 30-75
- INPUT VOLTAGE (VAC) 400±15%
- PLASMA GAS COMPRESSED AIR
- CERTIFICATION CE, C-TICK, CCC
- MODES CUTTING / GOUGING
- FREQUENCY (HZ) 50/60
- MAXIMUM INPUT POWER (KVA) 14.2
- OUTPUT VOLTAGE (VDC) 170 V (EXTRA-BOOST 220V)
- DUTY CYCLE @ 40 °C 100% @ 75A
- DIMENSION (L x H x W) MM 560 x 400 x 265
- WEIGHT (KG) 24
- RECOMMENDED CUTTING CAPACITY (MM) 25
- SEVERANCE CUTTING CAPACITY (MM) 35
- PIERCING CUTTING CAPACITY (MM) 25
- AIR FLOW @ (LPM/BAR) 270 @ 5,5
- MAXIMUM INPUT PRESSURE (BAR/PSI) 10/145
- PROTECTION LEVEL IP23S
- INSULATION CLASS H/F
- CNC INTERFACE YES
- INDUSTRY 4.0 NO
- TYPE OF HAND TORCH FHT-EX®105H

MILD STEEL CUTTING CAPACITY IN MILLIMETRES



COMPARISON WITH COMPETITIVE PLASMA CUTTING MACHINES

EX-TRAFIRE® 75SD IS THE MOST Powerful SYSTEM IN IT'S CLASS.



EX-TRAFIRE®75SD

ORDERING INFORMATION

Description	Length	Part No.
HAND TORCH		
EX-TRAFIRE®75SD CE 400 V Hand System/ FHT-EX®105H Torch 5m/H Starter Kit	5m	EX-4-010-005
EX-TRAFIRE®75SD CE 400 V Hand System/ FHT-EX®105H Torch 8m/H Starter Kit	8m	EX-4-010-006
EX-TRAFIRE®75SD CE 400 V Hand System/ FHT-EX®105H Torch 15m/H Starter Kit	15m	EX-4-010-007
EX-TRAFIRE®75SD CE 400 V Hand System/ FHT-EX®105H Torch 23m/H Starter Kit	23m	EX-4-010-008

AVAILABLE BULK PACK

Description	Part No.
Bulk Pack - Electrode 45-85A - 25pcs	EX-5-434-038
Bulk Pack - Nozzle 45A, 1.0mm, S - 25pcs	EX-5-435-037
Bulk Pack - Nozzle 55/65A, 1.15mm, S - 25pcs	EX-5-435-031
Bulk Pack - Nozzle 75/85A, 1.35mm, S - 25pcs	EX-5-435-030
Bulk Pack - Hand (contact) Shield 45-85A - 16pcs	EX-5-436-033
Bulk Pack - Machine Shield 45-85A - 16pcs	EX-5-437-035
Bulk Pack - Gouging Nozzle - 25pcs	EX-5-440-002
Bulk Pack - Gouging Shield - 16pcs	EX-5-440-005

ACCESSORIES

Description	STD Package QTY	Part No.
DN 7.2 ES Quick Connect Plug with female thread G 1/4"	1	EX-0-802-000
DN 7.2 ES Quick Connect Plug with male thread G 1/4"	1	EX-0-802-001
DN 7.2 ES Quick Connect Coupling with male thread G 1/4"	1	EX-0-802-002
Grease 25ml	1	EX-0-805-001
Filter-EX Compressed Air Filter	1	EX-0-804-001
Filter-EX Air Filter Cartridge	8	EX-0-804-002
Circle cutting guide kit for FHT-EX®105H	1	EX-5-801-001

STARTER KIT CONTENT

Description	PCS
Electrode	4
Nozzle	4
Shield	4
Swirl Ring	1
O-Rings	1
Cooling Tube O-Ring	1

EX-TRAFIRE®75SD



FRONT VIEW



BACK VIEW



SIDE VIEW

FHT-EX® 105H



EXTREMELY FLEXIBLE
AND POWERFUL



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FHT-EX® 105H

HAND TORCH ASSEMBLY

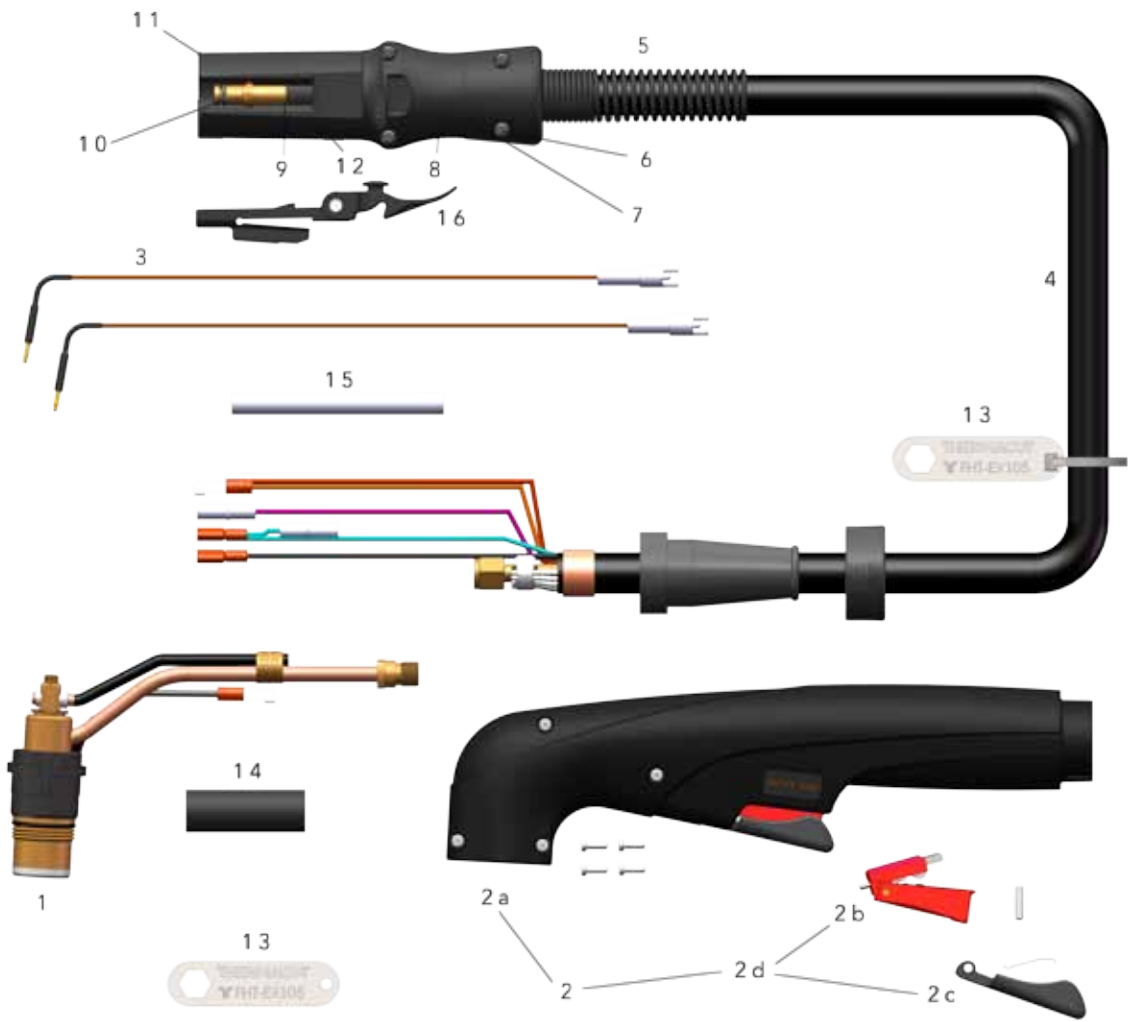


Item	Part No.	Description
1.	EX-5-133-001	DEMO FHT-EX®105H Hand Torch Assembly/TCS13
	EX-5-101-041	FHT-EX®105H Hand Torch Assembly-w/o consumables w/5m (16.5') Lead/ TCS13
	EX-5-103-041	FHT-EX®105H Hand Torch Assembly-w/o consumables w/8m (26') Lead/ TCS13
	EX-5-106-041	FHT-EX®105H Hand Torch Assembly-w/o consumables w/15m (50') Lead/ TCS13
	EX-5-109-041	FHT-EX®105H Hand Torch Assembly-w/o consumables w/23m (75') Lead/ TCS13
2.	EX-0-321-003	Latch with Key Assembly

LATCH WITH KEY IS NOT CONTENT OF TORCHES ABOVE. IF YOU NEED IT, YOU HAVE TO ORDER SEPARATELY.

FHT-EX®105H

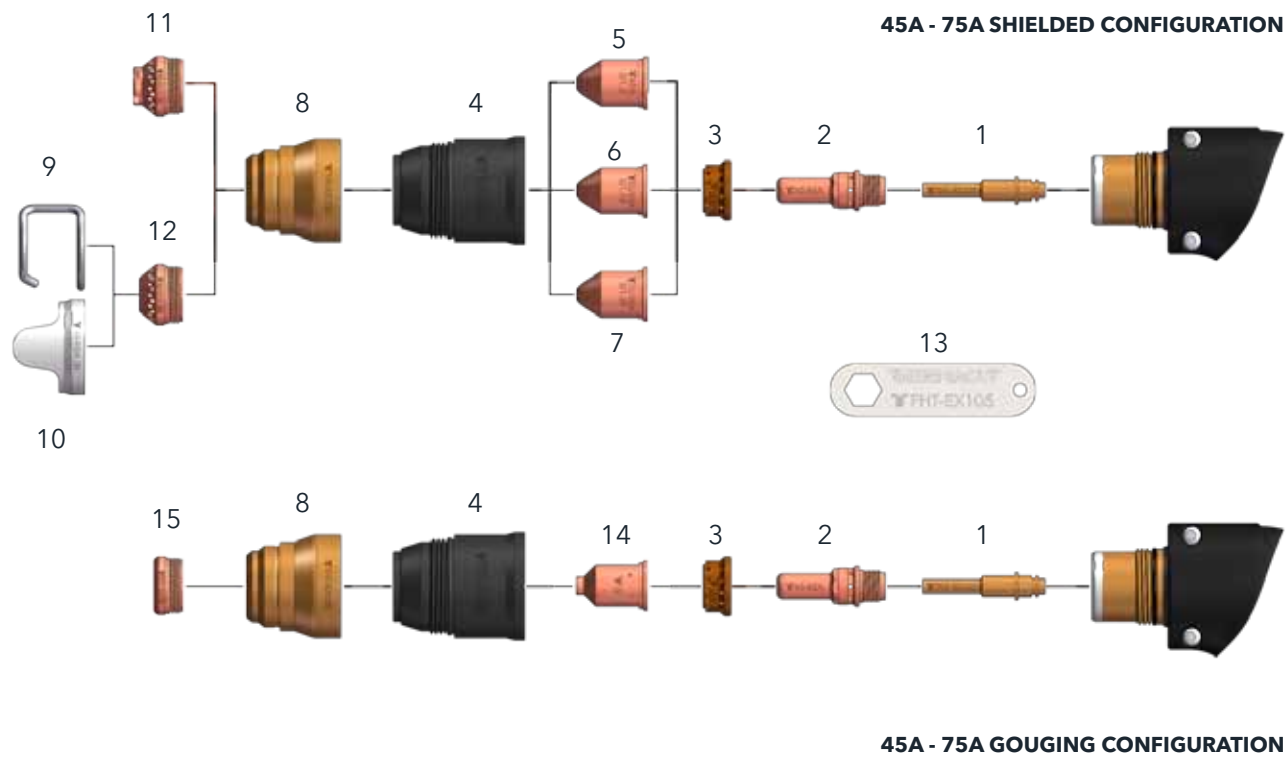
HAND TORCH COMPONENTS



Item	Part No.	Description	Item	Part No.	Description
1	EX-5-302-004	Hand Torch Body FHT-EX®105H	6	EX-0-325-015	TCS Clam Shell Screw
2	EX-5-314-019	Hand Torch Handle Replacement Kit	7	EX-0-325-002	TCS Clam Shell Upper
2a	EX-5-308-012	Hand Torch Handle – Kit	8	EX-0-325-001	TCS Clam Shell Lower
2b	EX-5-309-013	Trigger	9	EX-0-325-010	Retaining Ring (Outer circlip ring)
2c	EX-5-310-014	Trigger Guard	10	EX-0-325-009	O-Ring (fitted in the TCS plug)
2d	EX-5-313-018	Safety trigger Replacement Kit	11	EX-0-325-005	Male Crimp Pin for TCS Plug
3	EX-5-304-006	Hand Torch PIP Pins Replacement Kit (w/Wires)	12	EX-0-323-001	TCS13 Plug Body
4	EX-5-374-001	Hand Torch Lead Replacement Kit 5m (16.5') Lead/TCS13	13	EX-5-427-021	Electrode Wrench FHT-EX®105
4	EX-5-374-002	Hand Torch Lead Replacement Kit 8m (26') Lead/TCS13	14	EX-0-319-011	Shrinking Tube
4	EX-5-374-003	Hand Torch Lead Replacement Kit 15m (50') Lead/TCS13	15	EX-0-319-021	Insulating Teflon Tube
4	EX-5-374-004	Hand Torch Lead Replacement Kit 23m (75') Lead/TCS13	16	EX-0-321-003	Latch w/Key Assembly
5	EX-5-318-001	TCS Plug Spring Strain Relief			

CONSUMABLES

HAND TORCH CONSUMABLES



Item	Part No.	Description	Item	Part No.	Description
1	EX-5-400-001	Cooling Tube FHT-EX®105	9	EX-5-424-013	Distance Spring 45-85A, S
2	EX-5-401-003	Electrode 45-85A	10	EX-5-430-023	Double Pointed Spacer 45-85A, S
3	EX-5-404-005	Swirl Ring, Contact Ignition	11	EX-5-419-017	Hand (contact) Shield 45-85A, S
4	EX-5-415-006	Nozzle Retaining Cap (Protection Cap)	12	EX-5-421-019	Machine Shield 45-85A, S
5	EX-5-409-008	Nozzle 45A, 1.0mm, S	13	EX-5-427-021	Electrode Wrench FHT-EX®105
6	EX-5-409-007	Nozzle 55/65A, 1.15mm, S	14	EX-5-440-001	Gouging nozzle
7	EX-5-409-009	Nozzle 75/85A, 1.35mm, S	15	EX-5-440-004	Gouging shield
8	EX-5-429-012	Shield / Spacer Retainer			



EX-TRA FIRE 1000SD

HANDHELD

PLASMA CUTTING

POWER SUPPLY

EX-TRAFIRE® 100SD



FIELD OF APPLICATION

WORKSHOPS

ADVANTAGE **COST EFFECTIVE**

TRAINING SCHOOLS

ADVANTAGE **EASY TO OPERATE**

CONSTRUCTION

ADVANTAGE **PORTABLE**

GENERAL MANUFACTURING

ADVANTAGE **ALL PURPOSE**

RENTAL FLEETS

ADVANTAGE **MAINTANANCE**

STRUCTURAL STEEL PRODUCERS

ADVANTAGE **EASY TO SETUP**

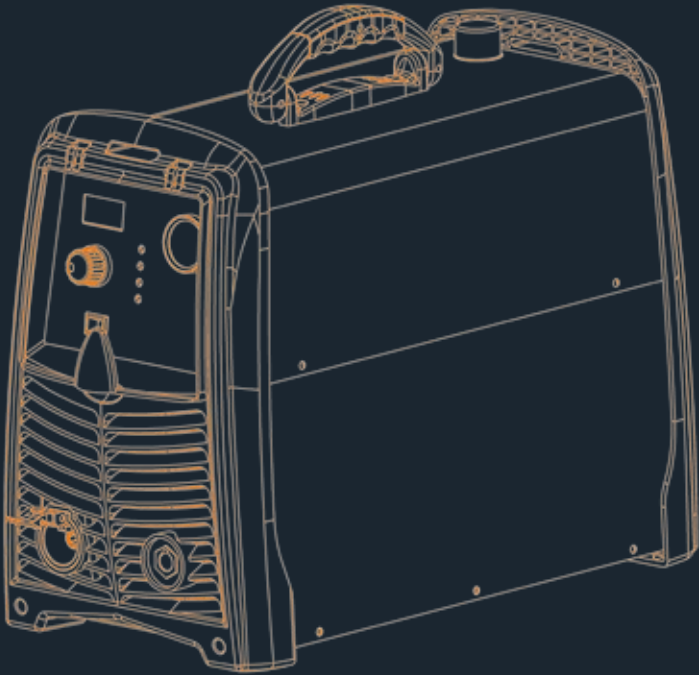
PIPELINE PRODUCERS

ADVANTAGE **ALL IN ONE**

MINING

ADVANTAGE **DURABLE**

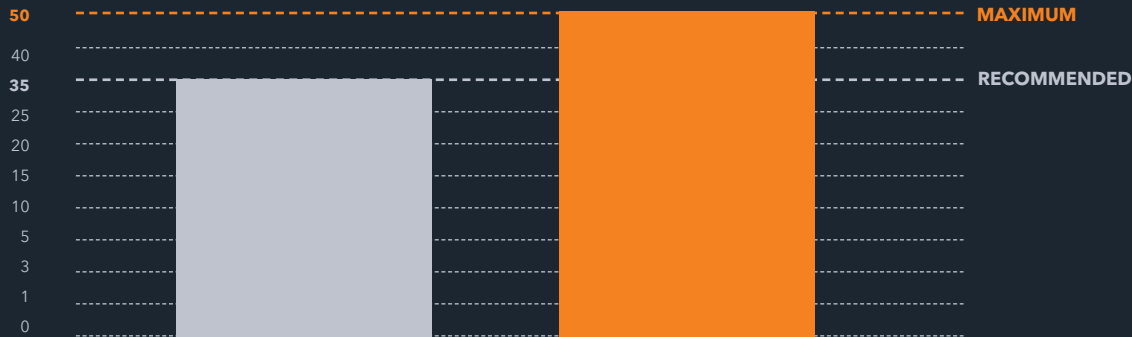
EX-TRAFIRE® 100SD



SPECIFICATIONS

- AMPS (A)** 30-100
- INPUT VOLTAGE (VAC)** 400±15%
- PLASMA GAS** COMPRESSED AIR
- CERTIFICATION** CE, C-TICK, CCC
- MODES** CUTTING / GOUGING
- FREQUENCY (HZ)** 50/60
- MAXIMUM INPUT POWER (KVA)** 20.7
- OUTPUT VOLTAGE (VDC)** 170 (EXTRA-BOOST 220V)
- DUTY CYCLE @ 40 °C** 50% @ 100A , 100% @ 80A
- DIMENSION (L x H x W)** MM 560 x 400 x 265
- WEIGHT (KG)** 24
- RECOMMENDED CUTTING CAPACITY (MM)** 35
- SEVERANCE CUTTING CAPACITY (MM)** 50
- PIERCING CUTTING CAPACITY (MM)** 25
- AIR FLOW @ (LPM/BAR)** 270 @ 5,5
- MAXIMUM INPUT PRESSURE (BAR/PSI)** 10/145
- PROTECTION LEVEL** IP23S
- INSULATION CLASS** H/F
- CNC INTERFACE** YES
- INDUSTRY 4.0** NO
- TYPE OF HAND TORCH** FHT-EX®105H

MILD STEEL CUTTING CAPACITY IN MILLIMETRES



COMPARISON WITH COMPETITIVE PLASMA CUTTING MACHINES

EX-TRAFIRE® 100SD IS THE MOST Powerful SYSTEM IN IT'S CLASS.



EX-TRAFIRE®100SD

ORDERING INFORMATION

Description	Length	Part No.
HAND TORCH		
EX-TRAFIRE®100SD CE 400 V Hand System/ FHT-EX®105H Torch 5m/H Starter Kit	5m	EX-5-010-005
EX-TRAFIRE®100SD CE 400 V Hand System/ FHT-EX®105H Torch 8m/H Starter Kit	8m	EX-5-010-006
EX-TRAFIRE®100SD CE 400 V Hand System/ FHT-EX®105H Torch 15m/H Starter Kit	15m	EX-5-010-007
EX-TRAFIRE®100SD CE 400 V Hand System/ FHT-EX®105H Torch 23m/H Starter Kit	23m	EX-5-010-008

AVAILABLE BULK PACK

Description	Part No.
Bulk Pack - Electrode 45-85A - 25pcs	EX-5-434-038
Bulk Pack - Electrode 100/105A - 25pcs	EX-5-434-028
Bulk Pack - Nozzle 45A, 1.0mm, S - 25pcs	EX-5-435-037
Bulk Pack - Nozzle 55/65A, 1.15mm, S - 25pcs	EX-5-435-031
Bulk Pack - Nozzle 75/85A, 1.35mm, S - 25pcs	EX-5-435-030
Bulk Pack - Nozzle 100/105A, 1.55mm - 25pcs	EX-5-435-029
Bulk Pack - Hand (contact) Shield 45-85A - 16pcs	EX-5-436-033
Bulk Pack - Hand (contact) Shield 100/105A - 16pcs	EX-5-436-032
Bulk Pack - Machine Shield 45-85A - 16pcs	EX-5-437-035
Bulk Pack - Machine Shield 100/105A - 16pcs	EX-5-437-034
Bulk Pack - Gouging Nozzle - 25pcs	EX-5-440-002
Bulk Pack - Gouging Shield - 16pcs	EX-5-440-005

ACCESSORIES

Description	STD Package QTY	Part No.
DN 7.2 ES Quick Connect Plug with female thread G 1/4"	1	EX-0-802-000
DN 7.2 ES Quick Connect Plug with male thread G 1/4"	1	EX-0-802-001
DN 7.2 ES Quick Connect Coupling with male thread G 1/4"	1	EX-0-802-002
Grease 25ml	1	EX-0-805-001
Filter-EX Compressed Air Filter	1	EX-0-804-001
Filter-EX Air Filter Cartridge	8	EX-0-804-002
Circle cutting guide kit for FHT-EX®105H	1	EX-5-801-001

STARTER KIT CONTENT

Description	PCS
Electrode	4
Nozzle	4
Shield	4
Swirl Ring	1
O-Rings	1
Cooling Tube O-Ring	1

EX-TRAFIRE®100SD



FRONT VIEW



BACK VIEW



SIDE VIEW

FHT-EX® 105H



EXTREMELY FLEXIBLE
AND POWERFUL



Thermacut, the world's leading producers of aftermarket plasma consumables, has decided to take an important step in evaluating our brand awareness in regards to our self-produced torches and power supplies.

FHT-EX® TORCHES ARE DESIGNED FOR SINGLE GAS PLASMA CUTTING PROCESSES WITH MOSTLY CONTACT ARC IGNITION. THE FHT-EX® PLASMA CUTTING TORCH IS DESIGNED AS A SINGLE GAS TORCH FOR MANUAL OR MECHANIZED CUTTING APPLICATIONS WITH GOUGING CAPABILITIES.

Our goal is to now launch into global markets by showcasing our range of plasma supplies EX-TRAFIRE®. Our power supplies are directly comparable to the power supplies of some of the world's leading manufacturers, and will be coupled with our self-produced plasma torches under the name FHT-EX®.

FHT-EX® 105H

HAND TORCH ASSEMBLY

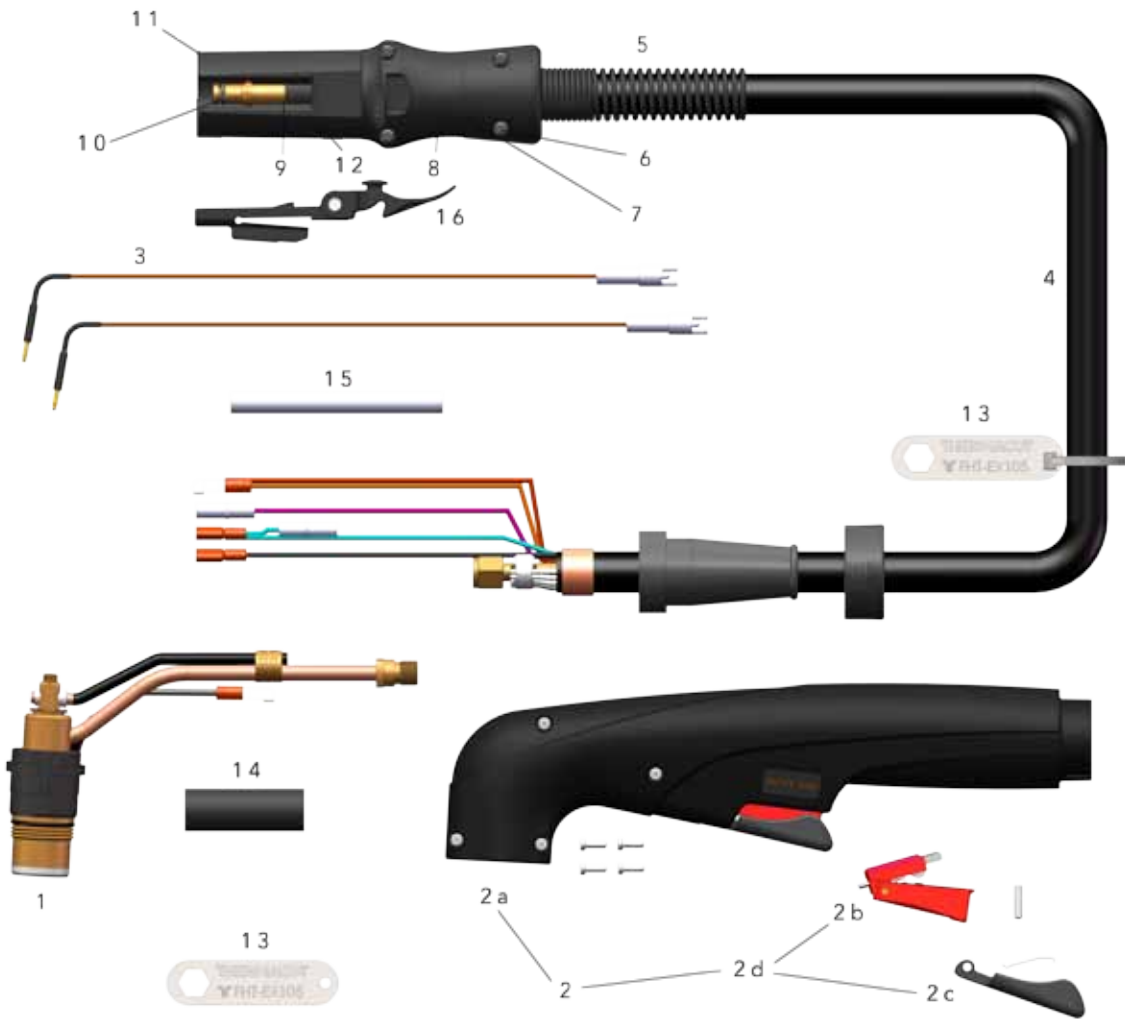


Item	Part No.	Description
1.	EX-5-133-001	DEMO FHT-EX®105H Hand Torch Assembly/TCS13
	EX-5-101-041	FHT-EX®105H Hand Torch Assembly-w/o consumables w/5m (16.5') Lead/ TCS13
	EX-5-103-041	FHT-EX®105H Hand Torch Assembly-w/o consumables w/8m (26') Lead/ TCS13
	EX-5-106-041	FHT-EX®105H Hand Torch Assembly-w/o consumables w/15m (50') Lead/ TCS13
	EX-5-109-041	FHT-EX®105H Hand Torch Assembly-w/o consumables w/23m (75') Lead/ TCS13
2.	EX-0-321-003	Latch with Key Assembly

LATCH WITH KEY IS NOT CONTENT OF TORCHES ABOVE. IF YOU NEED IT, YOU HAVE TO ORDER SEPARATELY.

FHT-EX®105H

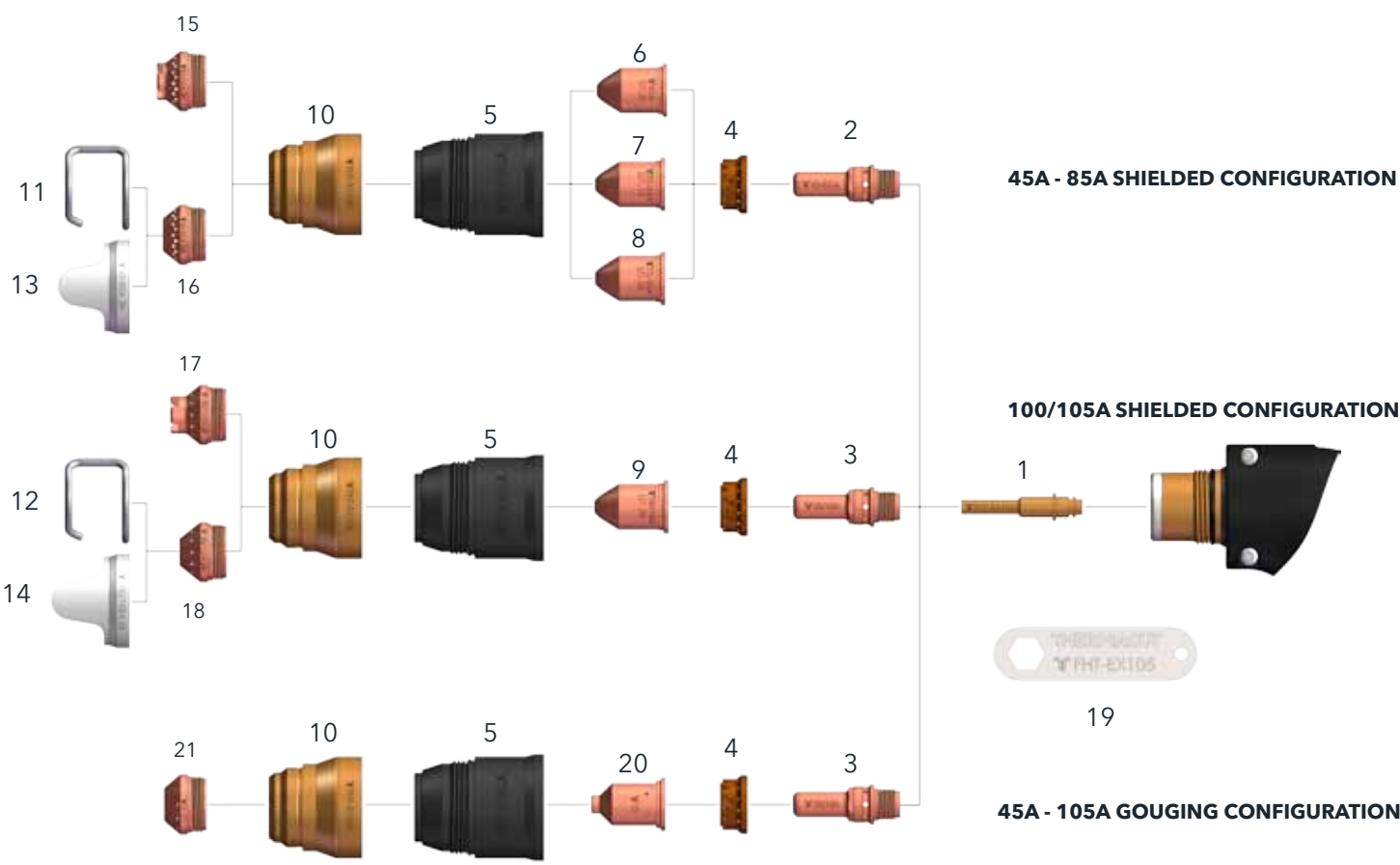
HAND TORCH COMPONENTS



Item	Part No.	Description	Item	Part No.	Description
1	EX-5-302-004	Hand Torch Body FHT-EX®105H	6	EX-0-325-015	TCS Clam Shell Screw
2	EX-5-314-019	Hand Torch Handle Replacement Kit	7	EX-0-325-002	TCS Clam Shell Upper
2a	EX-5-308-012	Hand Torch Handle - Kit	8	EX-0-325-001	TCS Clam Shell Lower
2b	EX-5-309-013	Trigger	9	EX-0-325-010	Retaining Ring (Outer circlip ring)
2c	EX-5-310-014	Trigger Guard	10	EX-0-325-009	O-Ring (fitted in the TCS plug)
2d	EX-5-313-018	Safety trigger Replacement Kit	11	EX-0-325-005	Male Crimp Pin for TCS Plug
3	EX-5-304-006	Hand Torch PIP Pins Replacement Kit (w/Wires)	12	EX-0-323-001	TCS13 Plug Body
4	EX-5-374-001	Hand Torch Lead Replacement Kit 5m (16.5') Lead/TCS13	13	EX-5-427-021	Electrode Wrench FHT-EX®105
4	EX-5-374-002	Hand Torch Lead Replacement Kit 8m (26') Lead/TCS13	14	EX-0-319-011	Shrinking Tube
4	EX-5-374-003	Hand Torch Lead Replacement Kit 15m (50') Lead/TCS13	15	EX-0-319-021	Insulating Teflon Tube
4	EX-5-374-004	Hand Torch Lead Replacement Kit 23m (75') Lead/TCS13	16	EX-0-321-003	Latch w/Key Assembly
5	EX-5-318-001	TCS Plug Spring Strain Relief			

CONSUMABLES

HAND TORCH CONSUMABLES



Item	Part No.	Description	Item	Part No.	Description
1	EX-5-400-001	Cooling Tube FHT-EX®105	12	EX-5-425-014	Distance Spring 100/105A, L
2	EX-5-401-003	Electrode 45-85A	13	EX-5-430-023	Double Pointed Spacer 45-85A, S
3	EX-5-401-002	Electrode 100/105A	14	EX-5-426-015	Double Pointed Spacer 100/105A, L
4	EX-5-404-005	Swirl Ring, Contact Ignition	15	EX-5-419-017	Hand (contact) Shield 45-85A, S
5	EX-5-415-006	Nozzle Retaining Cap (Protection Cap)	16	EX-5-421-019	Machine Shield 45-85A, S
6	EX-5-409-007	Nozzle 45A, 1.0mm, S	17	EX-5-420-018	Hand (contact) Shield 100/105A, L
7	EX-5-409-008	Nozzle 55/65A, 1.15mm, S	18	EX-5-422-020	Machine Shield 100/105A, L
8	EX-5-409-009	Nozzle 75/85A, 1.35mm, S	19	EX-5-427-021	Electrode Wrench FHT-EX®105
9	EX-5-410-010	Nozzle 100/105A, 1.55mm, L	20	EX-5-440-001	Gouging nozzle
10	EX-5-429-012	Shield / Spacer Retainer	21	EX-5-440-004	Gouging shield
11	EX-5-424-013	Distance Spring 45-85A, S			

ACCESSORIES



	Part No.	Ref. No.	Description	Std. Pkg.	Item	Part No.	Ref. No.	Description	Std. Pkg.
	1. T-12452	EX-0-804-001	Filter-EX Compressed Air Filter	1	6. T-0994	EX-0-805-001		Silicone Lubricant 25ml	1
	2. T-12453	EX-0-804-002	Filter-EX Air Filter Cartridge	8	7. EX-2-801-001	EX-2-801-001		Circle Cut. Guide Kit for FHT-EX®30/40H	1
	3. EX-0-802-000	EX-0-802-000	Quick Connect Plug with female thread G 1/4"	1	8. EX-0-806-001	EX-0-806-001		THERMACUT Cutting Gloves	1
	4. EX-0-802-001	EX-0-802-001	Quick Connect Plug with male thread G 1/4"	1	NS EX-5-801-001	EX-5-801-001		Circle cutting guide kit for FHT-EX®105H	1
	5. EX-0-802-002	EX-0-802-002	Quick Connect Coupling with male thread G 1/4"	1					