

EX-TRA-FIRE[®] 30H

PORTABLE AND POWERFUL PLASMA CUTTING SYSTEM



Training
and education



General
fabrication



Craft, hobby
and non-industrial



Structural

EX-TRAFIRE® 30H

SPECIFICATIONS

Output current [A]	10-30
Modes	cutting / grid cutting
Duty cycle	35 % @ 30 A, 100 % @ 21 A
Rated output voltage [VDC]	92
Severance cutting capacity [mm]	10 ⁽¹⁾
Piercing capacity [mm]	8 ⁽¹⁾
Recommended cutting capacity [mm]	8 ⁽¹⁾
Plasma gas	compressed air
Max. Air flow (cutting) [lpm/bar]	48/4.5
CNC interface	No
Input voltage [VAC]	220-240 V ± 15 %
Frequency [Hz]	50/60
Dimensions (L×H×W) [mm]	480 × 290 × 165
Weight [kg]	10.5
Certification depending on region	CE
Maximum input pressure [bar/psi]	10/145
Protection level	IP23S
Insulation class	F
Type of hand torch	FHT-EX®30H

⁽¹⁾ Values for low alloy steel, E. G. MS S235JR

⁽²⁾ Suitable for generator use

2 DIFFERENT OPERATION MODES

Lightweight, exceptionally portable system with precise cuts. The mobile EX-TRAFIRE® 30H plasma cutting system is the ideal entry solution for anyone looking for very low investment and lower running costs model.



Last update of this page: 10/01/2025. See Revision history for details.
For product availability, please check with your local THERMACUT® dealer.

EX-TRAFIRE® 30H

ORDERING INFORMATION

Description	Length	Part No.
MANUAL PLASMA CUTTING SYSTEMS		
EX-TRAFIRE®30H/CE/1×220-240 VAC Hand System/ Torch FHT-EX30H-FC /H Starter Kit	4 m / 13.1 '	EX-1-010-005

AVAILABLE BULK PACKS

Information about available bulk packs on the end of Torch Consumables section

AVAILABLE STARTER KITS

Information about available starter kits on the end of Torch Consumables section

ACCESSORIES

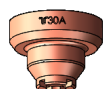
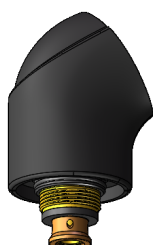
Information about available accessories on the last pages of this section

Last update of this page: 10/01/2025. See Revision history for details.
For product availability, please check with your local THERMACUT® dealer.

FHT-EX® 30H



LIGHTWEIGHT POWERFUL



The extra-lightweight FHT-EX® 30H handheld torch with a flexible cable is suitable for a wide range of applications and ideal for mobile use. This torch is optimally designed for use with EX-TRAFIRE® 30H power supplies. It is permanently connected to the power supply and provides precise cutting results on plate thicknesses of up to 10 mm and more.

This particularly cost-effective entry-level torch is the result of decades of experience in the field of plasma cutting. It features a robust and durable design in which all consumables can be replaced quickly and easily.

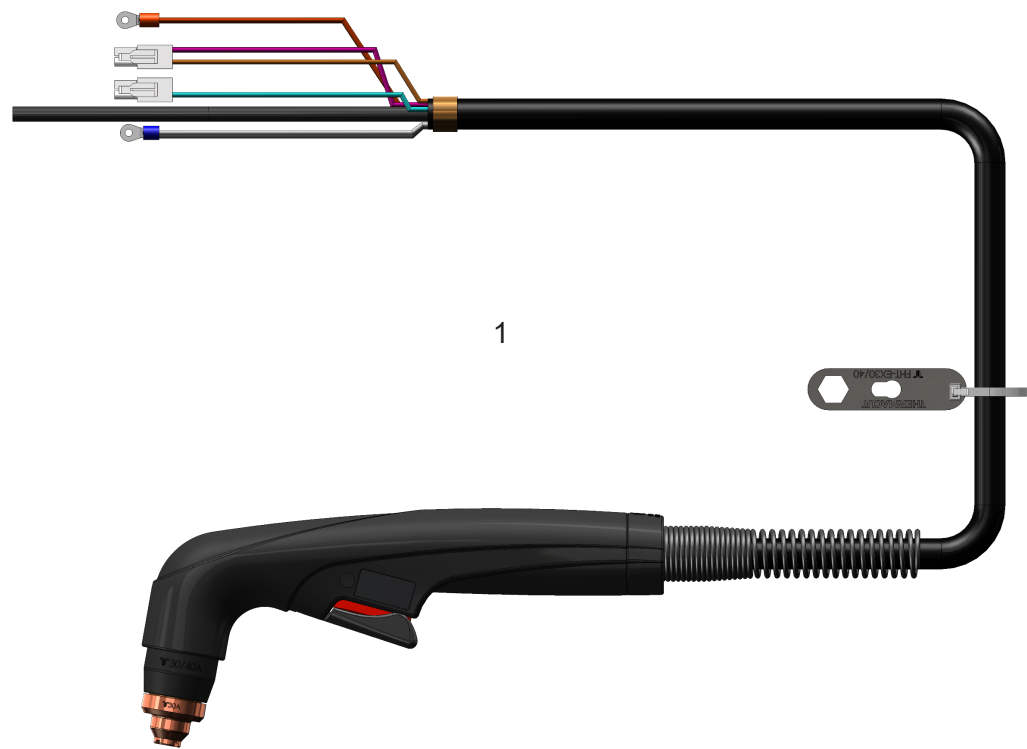
BENEFITS

- An ergonomically shaped handheld torch that reduces fatigue
- Compact and particularly flexible for handheld applications, even if difficult to reach
- A long lifetime thanks to a 100% duty cycle at 21 A
- Optimal for plate thicknesses of up to 10 mm, thanks to high power reserves
- Consumables with an extended lifetime
- Optimal heat dissipation thanks to a screw-on electrode
- Piercing max. 8 mm
- Specially designed for use with the EX-TRAFIRE® 30H power supply

Last update of this page: 10/01/2025. See Revision history for details.

FHT-EX® 30H

HAND TORCH ASSEMBLY

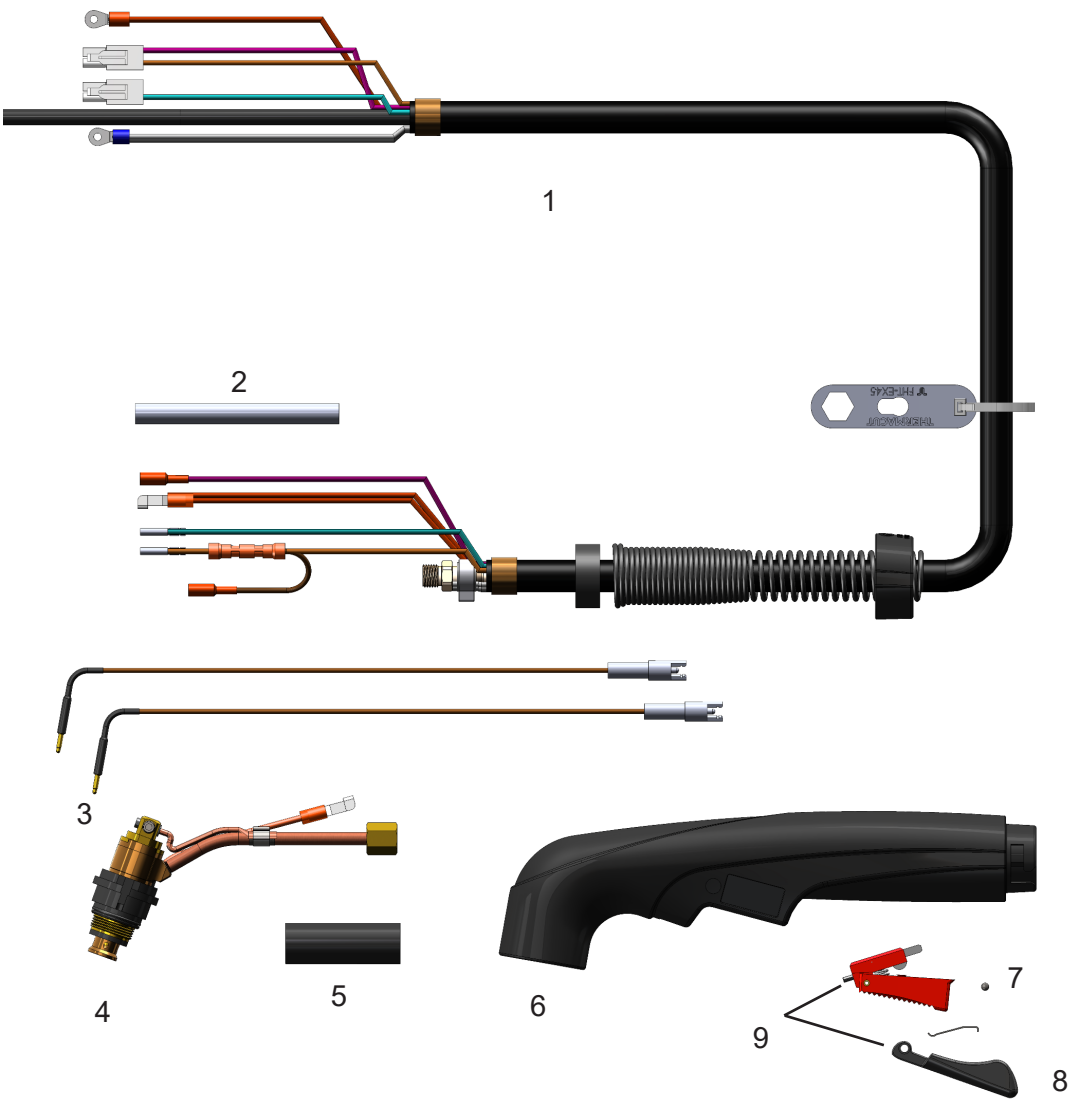


Item	Part No.	Description	Pcs.
1.	EX-1-134-001	FHT-EX®30H Hand Torch Assembly with 4m Lead/FC	1

Last update of this page: 10/01/2025. See Revision history for details.

FHT-EX® 30H

HAND TORCH COMPONENTS

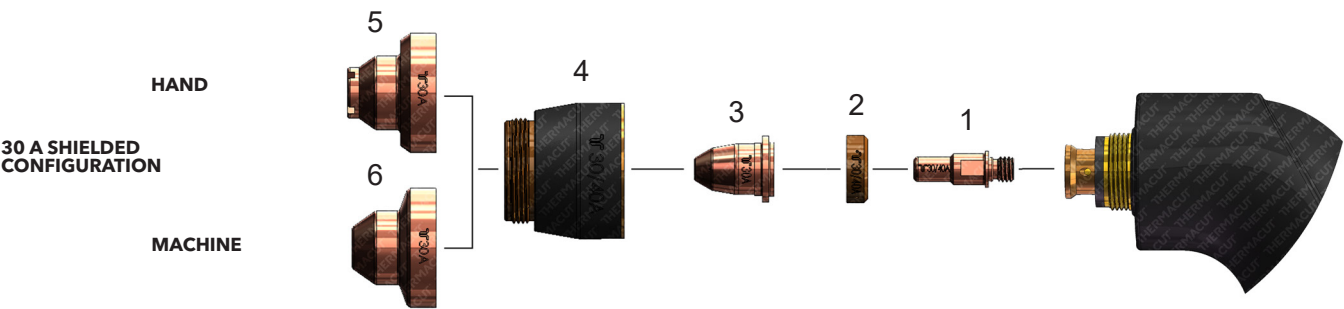


Item	Part No.	Description	Pcs.	Item	Part No.	Description	Pcs.
1.	EX-1-373-001	Hand Torch Lead Replacement Kit 4m Lead/FC	1	6.	EX-2-314-015	Hand Torch Handle Replacement Kit	1
2.	EX-0-319-021	Insulating Teflon Tube	1	7.	EX-5-309-013	Trigger	1
3.	EX-2-304-020	Hand Torch PIP Pins Replacement Kit (with Wires)	1	8.	EX-5-310-014	Trigger Guard	1
4.	EX-2-302-009	Hand Torch Body FHT-EX®30H	1	9.	EX-5-313-018	Safety Trigger Replacement Kit	1
5.	EX-0-319-011	Shrink Tube	1	NS	EX-2-431-014	O-Ring (fitted on the torch body)	2

Last update of this page: 10/01/2025. See Revision history for details.

CONSUMABLES

HAND TORCH CONSUMABLES



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

NS NOT SHOWN IN THE PICTURE
a FOR USE WITH CIRCLE CUTTING GUIDE OR FOR BEVEL CUTTING

Last update of this page: 10/01/2025. See Revision history for details.

CONSUMABLES

AVAILABLE BULK PACKS



Part No.	Description	Std. package QTY
EX-2-434-014	Bulk Pack-Electrode - 25pcs	1×25



Part No.	Description	Std. package QTY
EX-2-435-015	Bulk Pack-Nozzle 30A 0,8mm - 25pcs	1×25



Part No.	Description	Std. package QTY
EX-2-436-016	Bulk Pack - Hand (contact) Shield 30A - 18pcs	1×18
EX-2-437-017	Bulk Pack - Machine Shield 30A - 18pcs	1×18

Last update of this page: 10/01/2025. See Revision history for details.

CONSUMABLES

AVAILABLE STARTER KIT



CONTAIN OF THE PACKAGE

- 4 pcs of electrodes
- 4 pcs of nozzles
- 4 pcs of Hand/Machine shields
- 1 pc of swirl ring
- 1 pc of torch body O-ring

Part No.	Description	Std. package QTY
EX-2-432-012	Starter Kit 30A for Hand Torch FHT-EX®30/40H	1

Last update of this page: 10/01/2025. See Revision history for details.

ACCESSORIES



Last update of this page: 10/01/2025. See Revision history for details.

ACCESSORIES

Item	Part No.	Ref. No.	Description	Pcs
1.	T-12452	EX-0-804-001	Filter-EX Compressed Air Filter	1
2.	T-12453	EX-0-804-002	Filter-EX Air Filter Cartridge	8
3.	EX-0-802-001	EX-0-802-001	Quick Connect Plug with male thread G 1/4" *	1
4.	EX-0-802-002	EX-0-802-002	Quick Connect Coupling with male thread G 1/4" *	1
5.	T-0994	EX-0-805-001	Silicone Lubricant 0.8 oz	1
6.	EX-2-801-001	EX-2-801-001	Circle Cut. Guide Kit for FHT-EX®30/40H	1
	EX-5-801-002	EX-5-801-002	Circle Cutting Guide Kit for FHT-EX®105RTXH/FHT-EX®105TTH/FHT-EX®45TTH	1
7.	EX-5-801-003	EX-5-801-003	Bevel cutting guide kit FHT-EX®105RTXH/105TTH/45TTH	1
8.	N-21811	EX-0-806-001	THERMACUT® Cutting Gloves	1
9.	EX-0-803-001	EX-0-803-001	CNC Interface 14-pin Plug Kit	1
OD 10.	EX-0-803-003	EX-0-803-003	CNC Interface connection lead 3 m	1
	EX-0-803-004	EX-0-803-004	CNC Interface connection lead 6 m	1
HD OD 11.	EX-0-803-006	EX-0-803-006	CAN bus connection cable 10 m	1
HD 12.	EX-0-803-007	EX-0-803-007	CAN bus connection cable 5 m	1
HD OD 13.	EX-0-803-008	EX-0-803-008	RS422 bus connection cable 10 m	1
HD 14.	EX-0-803-009	EX-0-803-009	RS422 bus connection cable 5 m	1
HD OD 15.	EX-0-803-010	EX-0-803-010	Universal connection cable 10 m	1
HD OD 16.	EX-0-803-011	EX-0-803-011	Universal connection cable 5 m	1
17.	EX-0-803-005	EX-0-803-005	Plasma Arc START/STOP Remote controller for power supplies equipped with CNCInterface	1
18.	EX-5-543-037	EX-5-543-037	Work lead with clamp 300 A/4 m/16 mm²/EU-plug 35-70 mm²	1
OD 19.	EX-5-543-003	EX-5-543-003	Work lead with clamp 300 A/16 m/16 mm²/EU-plug 35-70 mm²	1
OD 20.	EX-5-543-002	EX-5-543-002	Work lead with clamp 300 A/23 m/16 mm²/EU-plug 35-70 mm²	1
OD 21.	EX-5-543-001	EX-5-543-001	Work lead with clamp 300 A/8 m/16 mm²/EU-plug 35-70 mm²	1
22.	EX-1-543-036	EX-1-543-036	Work lead with clamp 300A/4 m/10 mm²/EU-plug 10-25 mm²	1
23.	EX-6-810-001	EX-6-810-001	Hand gouging heat shield	1
24.	EX-0-809-001	EX-0-809-001	Transport case w/foam insert for EX-TRAFIRE®30H/45SD/45HD/55SD	1

HD For HD power supplies equipped with serial communication only
OD Only ON DEMAND
***** Items for use with Filter EX

Last update of this page: 10/01/2025. See Revision history for details.