

STARLIGHT

Multi-purpose torch system for welding, brazing, heating and flame cutting

Universal range of application due to a multitude of various welding, brazing and cutting attachments as well as high performance heating tips up to 55 m³/h oxygen flow rate

Welding range up to 14 mm, cutting range up to 200 mm

Ergonomic handling due to the special shape of the handle (shaft diameter 15 mm)

Modular design (STARLET, STAR, STARCUT) reduces storage, maintenance cost and downtime

Suitable for all fuel gases

Available with DIN, BSP, NFE, CGA and AS connections



Special torches as ring and forked torches are also available, see catalogue GRIFLAM® Heating Technology

For accessories and spare parts see product range "ACCESSORIES" (page 91)

For spare parts lists see product range "TECHNICAL INFORMATION" (page 107)



Professional kit for acetylene STARLIGHT *A*

Description	Art. No.	Cat. No.
STARLIGHT *A* kit	716.18036	024

consisting of:
 1 handle type 1302, 1 spring lever cutting attachment type 8702-A/PMYF for all fuel gases
 3 gas-mixing nozzles type ANME for cutting ranges 3 to 75 mm
 7 welding tips type 321-A with hammered finish welding nozzles, for welding ranges 0.2 to 14 mm,
 Torch carriage, torch spanner, gas ignitor, protection goggles, nozzle cleaning set, hose nipples with union nuts and operating instructions



Professional kit for propane, methane, Mapp, ethylene STARLIGHT *PMYF*

Description	Art. No.	Cat. No.
STARLET *PMYF* kit	716.06711	024

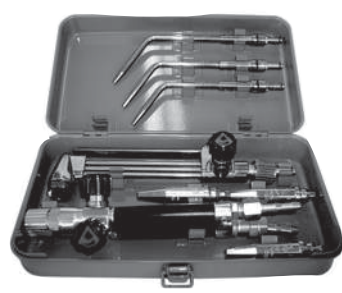
consisting of:
 1 handle type 1302, 1 spring lever cutting attachment type 8702-A/PMYF for all fuel gases
 3 gas-mixing nozzles type PNME for cutting ranges 3 to 75 mm
 7 brazing and heating tips type Z-PMY with hammered finish brazing and heating nozzles sizes 1 to 6,
 Torch carriage, torch spanner, gas ignitor, protection goggles, nozzle cleaning set, hose nipples with union nuts and operating instructions



Basic kit for acetylene STARLIGHT *WS*

Description	Art. No.	Cat. No.
STARLIGHT *WS* kit	716.06345	024

consisting of:
 1 handle type 1302, 1 spring lever cutting attachment type 8702-A for all fuel gases
 3 gas-mixing nozzles type ANME for cutting ranges 3 to 75 mm
 3 welding tips type 321-A with hammered finish welding nozzles, for welding ranges 1,0 to 6,0 mm,
 operating instructions, including hose nipples with union nuts



All kits are provided in steel or plastic case to protect the products and for easy access.

The combination of your STARLIGHT torch kit can be decided individually according to your requirements. In order to make your choice easier we have assembled above kits for various applications.

Other combinations are to be delivered upon request.

Handle shells, inlet connections and mixer replaceable, maintenance-free and easy to repair

STARLIGHT Handles

Type	Description	Connections	Art. No.	Cat. No.
1302 ME	Valves V-positioned	DIN: G1/4RH - G3/8LH	716.05978	024
1302 MB		BSP: G3/8RH - G3/8LH	716.05976	024
1302 MU		CGA: 9/16"RH - 9/16"LH	716.05977	050
1302 MF		NFE: M16x1,5RH - M16x1,5LH	716.05979	050
1302 MN		AS: UNF5/8RH- UNF5/8LH	716.06136	050



Length: approx. 205 mm (without hose nipples), shaft diameter: 15 mm, weight: approx. 430 g

The ergonomic design of the STARLIGHT handles allows easy handling, fatigue-free working and high operation comfort. Large cross-sectional areas enable high gas flow and guarantee maximum safety against flashbacks. The sturdy and compact aluminium construction guarantees high impact resistance and long service life.

STARLIGHT 1302 S	with built-in flashback arrestors	DIN: G1/4RH - G3/8 LH	716.06712	024
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Length: approx. 250 mm (without hose nipples), shaft diameter: 15 mm, weight: approx. 480 g

The STARLIGHT 1302 S version is additionally equipped with built-in flashback arrestors with flame trap and non-return valve for oxygen and fuel gas, and thus can be used also for high-efficiency heating tips up to oxygen flow rates of 55 m³/h.

Mixing tube with hammered finish welding nozzle

STARLIGHT 321-A

Tips for acetylene, for welding, brazing and heating

Size	O ₂ -Consumption	Welding range	Art. No. tip complete	Art No. welding nozzle	Cat. No.
0	40 l/h	0,2 - 0,5 mm	716.06257	716.06258	024
1	80 l/h	0,5 - 1,0 mm	716.05051	716.05041	024
2	160 l/h	1,0 - 2,0 mm	716.05052	716.05042	024
3	315 l/h	2,0 - 4,0 mm	716.05053	716.05043	024
4	500 l/h	4,0 - 6,0 mm	716.05054	716.05044	024
5	800 l/h	6,0 - 9,0 mm	716.05055	716.05045	024
6	1.250 l/h	9,0 - 14,0 mm	716.05056	716.05046	024



Central flame outlet, nozzles replaceable

STARLIGHT Z-A

Tips for acetylene, with mixing tube made of stainless steel, and replaceable brazing and heating nozzles, for brazing and spot heating

Size	O ₂ -Consumption	Overall length approx.	Art. No. tip complete	Art No. heating nozzle	Cat. No.
7	1,2 - 4,2 m ³ /h	430 mm	716.51805	242.34710	024
8	1,8 - 4,6 m ³ /h	580 mm	716.51806	242.34810	024
9	3,2 - 6,7 m ³ /h	880 mm	716.51807	716.00170	024
10	3,8 - 10,0 m ³ /h	1,090 mm	716.51808	716.00171	024



STARLIGHT

Laminar flame outlet, nozzles replaceable, particularly low noise (85 dB(A) up to size 8)

STARLIGHT FB-A

Tips for acetylene with mixing tube made from stainless steel and replaceable brazing and heating nozzles, for brazing and laminar heating

Size	O ₂ -Consumption	Overall length approx.	Art. No. tip complete	Art No. heating nozzle	Cat. No.
5	0,5 - 0,9 m ³ /h	430 mm	716.51809	716.00725	004
6	0,9 - 1,6 m ³ /h	430 mm	716.51810	716.00726	004
7	1,2 - 2,2 m ³ /h	580 mm	716.51811	716.00727	004
8	1,8 - 2,8 m ³ /h	580 mm	716.51812	716.00728	004
9	3,1 - 6,7 m ³ /h	880 mm	716.51813	716.00779	004
10	3,8 - 7,6 m ³ /h	1.090 mm	716.51814	716.00780	004



Mixing tube with hammered finish brazing and heating nozzle, central flame outlet

STARLIGHT Z-PMY

Tips for propane, methane, Mapp, with hammered finish nozzle for brazing and spot heating

Size	O ₂ -Consumption	Overall length approx.	Art. No. tip complete	Art No. brazing nozzle	Cat. No.
1	80 l/h	157 mm	716.06491	716.06481	004
2	160 l/h	176 mm	716.06492	716.06482	004
3	315 l/h	191 mm	716.06493	716.06483	004
4	500 l/h	207 mm	716.06494	716.06484	004
5	800 l/h	245 mm	716.06495	716.06485	004
6	1.250 l/h	266 mm	716.06496	716.06486	004



Stabilised, central flame outlet, nozzles replaceable

STARLIGHT Z-PMYF

Tips for propane, methane, Mapp, ethylene, with mixing tube made of stainless steel, and replaceable brazing and heating nozzles, for brazing and stable spot heating

Size	O ₂ -Consumption	Overall length approx.	Art. No. tip complete	Art No. heating nozzle	Cat. No.
6	1 - 3 m ³ /h	430 mm	716.51712	716.01233	004
8	2 - 6 m ³ /h	430 mm	716.51713	716.01234	004
10	6 - 14 m ³ /h	580 mm	716.51714	716.01235	004
12	11 - 35 m ³ /h	880 mm	716.51715	716.01236	004
14	18 - 40 m ³ /h	1.090 mm	716.51716	716.01241	004



Laminar flame outlet, nozzles replaceable

STARLIGHT F-PMYF

Tips for propane, methane, Mapp, ethylene, with mixing tube made of stainless steel, and replaceable brazing and heating nozzles, for brazing and laminar heating

Size	O ₂ -Consumption	Overall length approx.	Art. No. tip complete	Art No. heating nozzle	Cat. No.
8	2 - 6 m ³ /h	430 mm	716.51717	716.01237	004
10	6 - 14 m ³ /h	580 mm	716.51718	716.01238	004
12	11 - 35 m ³ /h	580 mm	716.51719	716.01239	004
14	18 - 40 m ³ /h	880 mm	716.51720	716.01154	004
16	40 - 52 m ³ /h	1.090 mm	716.51721	716.01155	004



STARLIGHT

Laminar flame outlet, nozzles replaceable

STARLIGHT F-PM

Tips for propane, methane, with mixing tube made of stainless steel, and replaceable brazing and heating nozzles, for brazing and laminar heating

Size	O ₂ -Consumption	Overall length approx.	Art. No. tip complete	Art No. heating nozzle	Cat. No.
12	5 - 12 m ³ /h	430 mm	716.51722	716.05646	004
13	8 - 23 m ³ /h	580 mm	716.51723	716.05647	004
14	13 - 35 m ³ /h	880 mm	716.51724	716.05648	004
15	40 - 52 m ³ /h	1.090 mm	716.51725	716.05649	004



Accessories for brazing and heating tips

Stainless steel mixing tube

for brazing and heating tips Z-A, FB-A, F-A, HF-A, Z-PMYF, F-PMYF and HF-PM

Length	Inlet thread	Connection thread	Art No.	Cat. No.
267 mm	1/2" x 25 Gg.	1/2" x 25 Gg.	716.51708	039
406 mm	1/2" x 25 Gg.	1/2" x 25 Gg.	716.51709	039
711 mm	1/2" x 25 Gg.	1/2" x 25 Gg.	716.51710	039
914 mm	1/2" x 25 Gg.	1/2" x 25 Gg.	716.51711	039



Accessories for brazing and heating tips

Connecting adapter

for brazing and heating tips Z-A, FB-A, F-A, Z-PMYF and F-PMYF

Nozzle thread	Mixing tube thread	Art. No.	Cat. No.
M 12 x 1,5	1/2" x 25 Gg.	716.51705	039
M 14 x 1,5	1/2" x 25 Gg.	716.51706	039
M 18 x 1,5	1/2" x 25 Gg.	716.51707	039



For manual flame cutting, fuel gases acetylene or propane, methane, Mapp, ethylene

STARLIGHT 8702

Type	Nozzle type	Art. No. type A/PMYF	Cat. No.
STARLIGHT 8702 with spring lever	Gas-mixing nozzles with international 30° nozzle connection	716.05960	024



Hand cutting nozzles for STARLIGHT cutting attachment see page 67