

# Single-cutting torch



**Art. No.** 153936

**Type No.** ESB.75.1200



Exemplary illustration

Single-cutting torch are suitable for all cutting work up to a maximum of 500 mm. The gas mixing nozzles ensure that, in the event of flashback, no oxygen-fuel gas mixture can flash back into the torch through the gas hole. The cutting oxygen is activated by levers. The nozzle heads are available in two different angles (75° and 90°). The corresponding nozzle and accessories are not included in the scope of delivery and must be ordered separately. Suitable for standard hoses (oxygen G 1/4 × DN6, fuel gas G 3/8 LH × DN9).

## Technical data

|               |                        |
|---------------|------------------------|
| Material      | brass, CrNi steel      |
| Thread        | G 1/4 ET + G 3/8 LH ET |
| Cutting range | max. 500 mm            |
| Gas type      | oxygen, fuel gas       |
| Length        | 1.200.0 mm             |
| Nozzle head   | 75 °                   |

## Commercial data

|                         |                   |
|-------------------------|-------------------|
| Customs tariff number   | 84682000          |
| Country of origin       | TR                |
| eCl@ss 5.1.4            | 21080301          |
| eCl@ss 9.0              | 21080390          |
| UNSPSC_Code_v190501     | 23271400          |
| UNSPSC_CodeDesc_v190501 | Welding machinery |

## Product informations

**Safety note:**

No modifications may be made to the burners that are beyond the knowledge and control of our company.

Improper use can result in serious damage and may only be carried out by trained personnel.

Before starting work, the burner must be checked, in particular the condition of the nozzles.

Burners and equipment must be used in accordance with their labelling.

They must be protected from impacts, falls, oil and other contaminants.

The user manual must be read carefully before initial use.

The cutting torches are ergonomically designed, equipped with precisely adjustable valves, designed for different flame sizes and cover a cutting range of up to 500 mm. In combination with the accessories available in the RIEGLER online shop, they can be used for numerous cutting applications.

#### **Areas of application:**

Various branches of industry for versatile cutting processes.

#### **Function:**

In single cutting torches with gas mixing nozzles, the fuel gas that produces the flame for the cutting process is first mixed with oxygen in the nozzle.

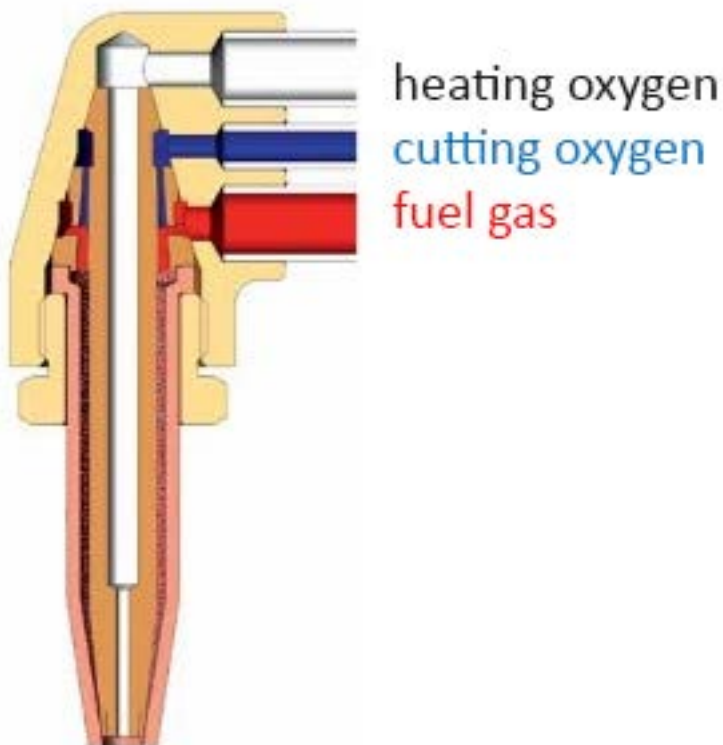
This provides these torches with better protection against flashbacks than injector cutting torches,

in which the gas mixture is already produced in the torch head. The gases are fed to the nozzle via three separate lines.

Thanks to the practical design of the torch, it is not necessary to replace the entire torch when changing the type of gas.

It is sufficient to simply replace the nozzle according to the type of gas used.

Additional nozzles for different gases are available on request.



## Accessories

|                                                                                                                           | Art. No. | Type No.            |
|---------------------------------------------------------------------------------------------------------------------------|----------|---------------------|
| Double threaded nipple, G 1/4 a., G 1/4 a. LH, AF 17, brass, working pressure max. 60 bar, max. operating temp. 200 °C    | 154195   | DGN.14.14LH         |
| Double threaded nipple, G 1/4 a. LH, G 3/8 a. LH, AF 19, brass, working pressure max. 60 bar, max. operating temp. 200 °C | 154196   | DGN.14LH.38LH       |
| Double threaded nipple, G 3/8 a. LH, G 1/4 a., AF 19, brass, working pressure max. 60 bar, max. operating temp. 200 °C    | 154198   | DGN.38LH.14         |
| Double threaded nipple, G 3/8 a., G 3/8 a. LH, AF 19, brass, working pressure max. 60 bar, max. operating temp. 200 °C    | 154199   | DGN.38.38LH         |
| Double threaded nipple, G 1/2 a., G 3/8 a. LH, AF 24, brass, working pressure max. 60 bar, max. operating temp. 200 °C    | 154214   | DGN.12.38LH         |
| Guide carriage including compass tip for single-cutting torch                                                             | 153958   | FW.ESB              |
| Nozzle for single-cutting torch, gas mixing, cutting range 3 - 6 mm                                                       | 153959   | SD.GM.ESB.3-6       |
| Nozzle for single-cutting torch, gas mixing, cutting range 5 - 12 mm                                                      | 153960   | SD.GM.ESB.5-12      |
| Nozzle for single-cutting torch, gas mixing, cutting range 10 - 75 mm                                                     | 153961   | SD.GM.ESB.10-75     |
| Nozzle for single-cutting torch, gas mixing, cutting range 70 - 100 mm                                                    | 153962   | SD.GM.ESB.70-100    |
| Nozzle for single-cutting torch, gas mixing, cutting range 90 - 150 mm                                                    | 153963   | SD.GM.ESB.90-150    |
| Nozzle for single-cutting torch, gas mixing, cutting range 140 - 200 mm                                                   | 153964   | SD.GM.ESB.140-200   |
| Nozzle for single-cutting torch, gas mixing, cutting range 190 - 300 mm                                                   | 153965   | SD.GM.ESB.190-300   |
| Nozzle for single-cutting torch, gas mixing, cutting range 300 - 500 mm                                                   | 153966   | SD.GM.ESB.300-500   |
| Clamp bracket for mounting on distributor pipe                                                                            | 155113   | AB.V                |
| Nozzle for single-cutting torch, gas mixing, oxygen/propane, cutting range 3 - 6 mm                                       | 155114   | SD.GM.ESB.P.3-6     |
| Nozzle for single-cutting torch, gas mixing, oxygen/propane, cutting range 5 - 12 mm                                      | 155115   | SD.GM.ESB.P.5-12    |
| Nozzle for single-cutting torch, gas mixing, oxygen/propane, cutting range 10 - 75 mm                                     | 155116   | SD.GM.ESB.P.10-75   |
| Nozzle for single-cutting torch, gas mixing, oxygen/propane, cutting range 70 - 100 mm                                    | 155117   | SD.GM.ESB.P.70-100  |
| Nozzle for single-cutting torch, gas mixing, oxygen/propane, cutting range 90 - 150 mm                                    | 155118   | SD.GM.ESB.P.90-150  |
| Nozzle for single-cutting torch, gas mixing, oxygen/propane, cutting range 140 - 200 mm                                   | 155119   | SD.GM.ESB.P.140-200 |
| Nozzle for single-cutting torch, gas mixing, oxygen/propane, cutting range 190 - 300 mm                                   | 155120   | SD.GM.ESB.P.190-300 |
| Nozzle for single-cutting torch, gas mixing, oxygen/propane, cutting range 300 - 500 mm                                   | 155121   | SD.GM.ESB.P.300-500 |

## Spareparts

|                                                                                                                                    | Art. No. | Type No.     |
|------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|
| Hexagonal coupling nut G 3/8 left sleeve size I.D.4, I.D.6, I.D.9 Brass, Max. working pressure 25 bar, Max. operating temp. 150 °C | 137631   | MS234LH38469 |

## Spareparts

|                                                      | Art. No. | Type No.  |
|------------------------------------------------------|----------|-----------|
| Regulation oxygen, for single-cutting torch          | 153954   | R.O2.ESB  |
| Regulation fuel gas, for single-cutting torch        | 153955   | R.BG.ESB  |
| Lever replacement parts set for single-cutting torch | 153956   | H-ETS.ESB |
| Nozzle nut for single-cutting torch                  | 153957   | DM.ESB    |