

Single-cutting torch



Art. No. 153937

Type No. ESB.90.500



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	500.0 mm
Nozzle head	90 °

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.

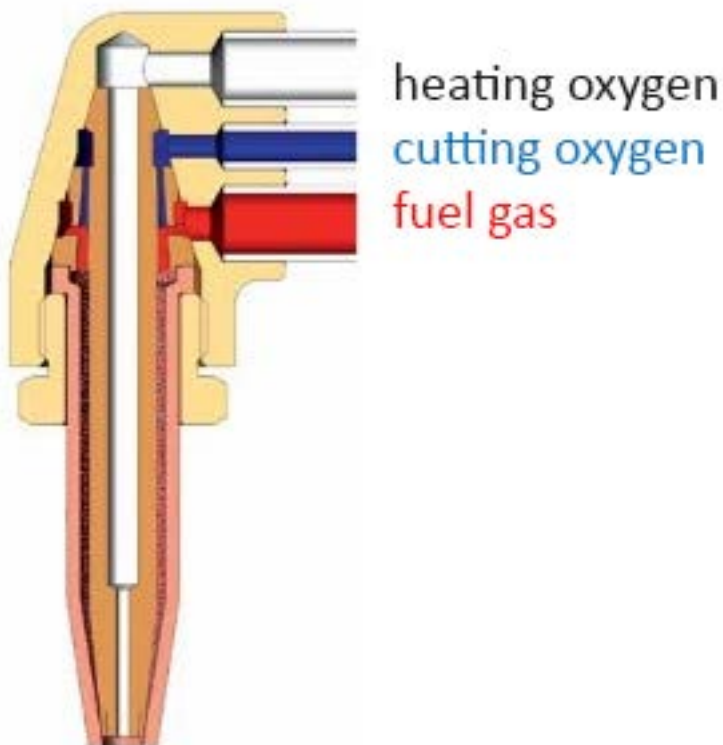
This provides these torches with better protection against flashbacks than injector cutting torches,

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