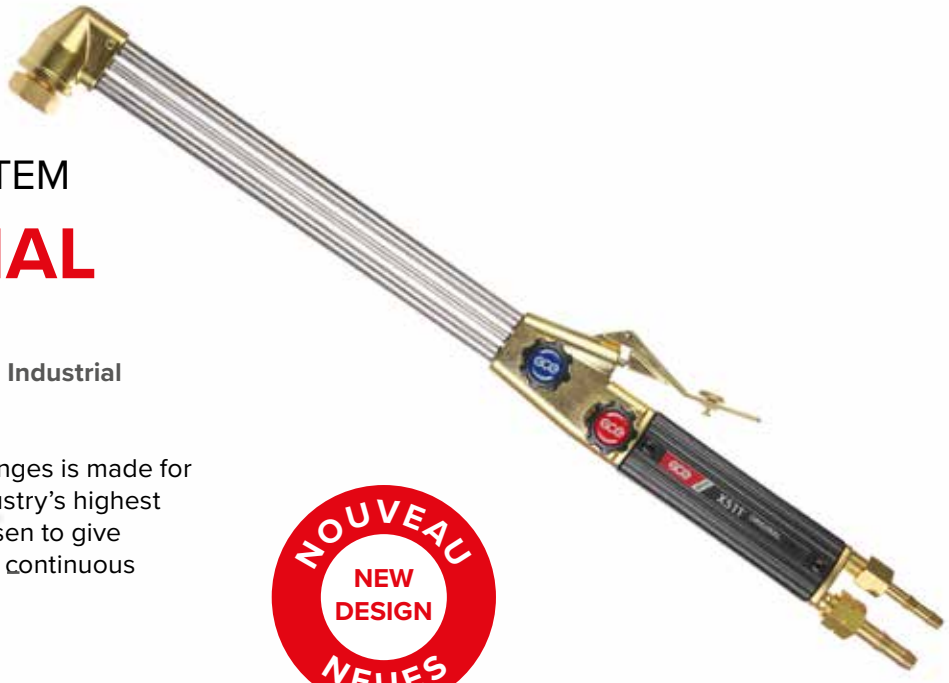
Gas Control Equipment



COMPLETE TORCH SYSTEM

X511® ORIGINAL



NOUVEAU
NEW DESIGN
NEUES

GCE X511® Original, the solution for all Industrial Cutting applications.

The GCE X511® Original cutting torch ranges is made for perfect cutting, developed to meet industry's highest demand. The design and profi le is chosen to give perfect balance and optimum control in continuous operation.



X501® ORIGINAL

PRODUCT FEATURES

- Oval handle for positive grip
- The new trim valve design for regulation of preheating oxygen and fuel gas are forward mounted for easiest control of the flame
- The cutting oxygen lever is specially designed to give maximum control of all operations, ideal for piercing, gouging and rivet washing
- Length, balance and profile are chosen for best control of operation
- Low weight
- The knob valves have a self centering stainless steel valve
- High quality brass cutter with stainless steel tubes stem for positive seating and long life
- Large capacity, cuts sheet 500 mm thick

SAFE AND SECURE

The main body components are brass, designed to withstand rough treatment. The strong metal handle in combination with stainless steel tubes makes the torch robust and safe to use.

HIGH CAPACITY AND EASY TO HANDLE

The well designed control knobs make it simple and fast to control the flame and the valves are designed to give smoothest possible control. The position of the lever gives ease and comfort of operation.

TECHNICAL INFORMATION

The X511 Diamond cutting torch is made for nozzle mix nozzles and has capacity for cutting 500 mm (=20 inch). All standard three cone nozzles fit.

TECHNICAL DATA	
Lenght (mm)	**Weight (kg)**
470	1,18
855	1,50
1155	1,85

SPECIFICATIONS OF VERSIONS

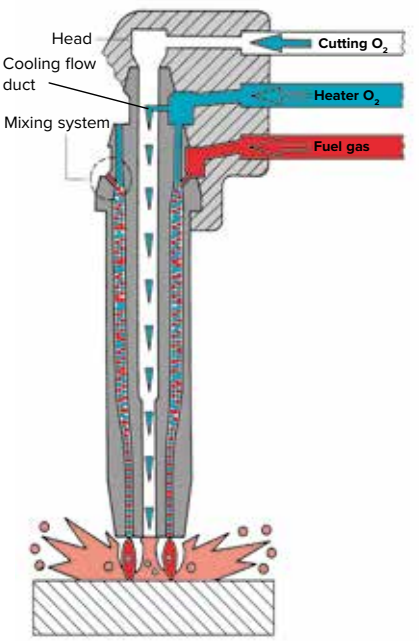


Art. Nr.	Lenght (mm)	Angle	Inlet connection Oxygen	Inlet connection Fuel gas
0767690	470	75°	G3/8“	G3/8” LH
0767689	470	75°	G1/4“	G3/8” LH
0767699	470	90°	G3/8“	G3/8” LH
0767688	470	90°	G1/4“	G3/8” LH
0763391	470	180°	G1/4“	G3/8” LH
0767693	855	75°	G1/4“	G3/8” LH
0767691	855	90°	G1/4“	G3/8” LH
0767694	855	180°	G1/4“	G3/8” LH
0767697	1155	75°	G1/4“	G3/8” LH
0767696	1155	75°	G3/8“	G3/8” LH
0767695	1155	90°	G1/4“	G3/8” LH
0767698	1155	180°	G1/4“	G3/8” LH

PREMIUM NOZZLES FOR GCE X511 ORIGINAL CUTTING TORCH COOLEX® - 3 CONE SEALED CUTTING NOZZLES

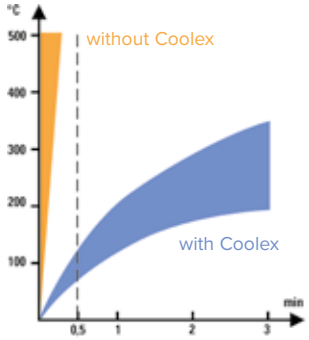
COOLEX® is the generic name for GCE,s 3-cone sealed cutting nozzles which are an innovative development based on conventional cutting nozzles. The COOLEX® nozzles have a cooling flow duct patented by GCE.

In a conventional cutting nozzle, hot gas penetrates from the heating flame into the cutting duct, causing inappropriate heating of the cutting nozzle, often up to 500°.
The COOLEX® nozzles with a cooling flow duct reduce the temperature of the nozzles and increase the operational function and the life time of the nozzle.



THE RESULTS:

- Lower temperature
- Fewer operational interruptions



THE GCE CUTTING NOZZLES, 3-CONE (NOZZLE MIX)



ANME: ACETYLENE

Art. Nr.	Thickness (mm)	Pressure - Oxygen (bar)	Pressure - f. gas (bar)	Flow rate - Oxygen (m^3/h)	Flow rate - f. gas (m^3/h)
0768670	3 - 10	2,5 - 3,5	0,3	1,25 - 1,65	0,3
0768635	10 - 25	3,0 - 4,0	0,3	2,12 - 3,20	0,4
0768599	25 - 40	3,5 - 4,5	0,3	3,20 - 4,45	0,45
0768636	40 - 60	4,5 - 5,0	0,5	4,50 - 5,50	0,5
0768662	60 - 100	4,5 - 5,5	0,5	8,40 - 9,80	0,6
0768598	100 - 200	5,0 - 6,5	0,5	13,0 - 15,0	0,75
0769041	200 - 300	6,0 - 7,5	0,8	15,0 - 19,0	1,0



FGA: COOLEX ACETYLENE

Art. Nr.	Thickness (mm)	Pressure - Oxygen (bar)	Pressure - f. gas (bar)	Flow rate - Oxygen (m^3/h)	Flow rate - f. gas (m^3/h)
0768698	Size 1	4,0 - 5,0	0,6	4,0 - 4,7	1,1
0768661	Size 2	5,0 - 6,0	0,7	6,3 - 7,3	1,3
0768699	Size 3	6,0 - 7,0	0,8	9,3 - 10,0	1,5



PNME: PROPANE - NATURAL GAS

Art. Nr.	Thickness (mm)	Pressure - Oxygen (bar)	Pressure - f. gas (bar)	Flow rate - Oxygen (m^3/h)	Flow rate - f. gas (m^3/h)
0769494	3 - 10	2	0,3	2,1	0,3
0769495	10 - 25	3	0,3	3,2	0,4
0769496	25 - 40	3	0,3	5,2	0,6
0769497	40 - 60	3,5	0,3	7,4	0,8
0769498	60 - 150	3,5	0,3	13,6	1,0
0769499	150 - 300	3,5 - 6,5	0,3	34,7	1,3
0769501	300 - 500	7,0 - 8,5	0,3	42	1,8



PNME: COOLEX

Art. Nr.	Thickness (mm)	Pressure - Oxygen (bar)	Pressure - f. gas (bar)	Flow rate - Oxygen (m^3/h)	Flow rate - f. gas (m^3/h)
0768652	3 - 10	2	0,3	2,1	0,3
0768653	10 - 25	3	0,3	3,2	0,4
0768696	25 - 40	3	0,3	5,2	0,6
0768697	40 - 60	3,5	0,3	7,4	0,8
0768654	60 - 150	3,5	0,3	13,6	1,0



COOLEX A 361 GOUGING AND RIVET CUTTING NOZZLE FOR ACETYLENE

Art. Nr.	Thickness (mm)	Pressure - Oxygen (bar)	Pressure - f. gas (bar)	Flow rate - Oxygen (m^3/h)	Flow rate - f. gas (m^3/h)
0768739	3 - 4	4	0,2 - 0,5	3,1	0,5
0768740	3 - 6	4	0,2 - 0,5	5,6	0,6
0768741	5 - 7	4	0,2 - 0,5	8,7	0,8



COOLEX A 341 BENT RIVET NOZZLE FOR ACETYLENE

Art. Nr.	Pressure - Oxygen (bar)	Pressure - f. gas (bar)	Flow rate - Oxygen (m^3/h)	Flow rate - f. gas (m^3/h)
0768743	3	0,2 - 0,5	2,8 - 3,8	0,5
0768744	4	0,2 - 0,5	4,6	0,5
0768745	3 - 6	0,2 - 0,5	5,5	0,6
0768746	4 - 7	0,2 - 0,5	6,5 - 7,7	0,7 - 0,8

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