

# TIG 4CE

From ergonomic comfort to flexible movement, the TIG 4CE torch range is designed to keep welders in complete control – for long shifts, complex angles, and precise results.

## Gas cooled or water cooled

The range spans from compact gas cooled to heavy-duty water-cooled models, ensuring the right fit for every job.

## Various models

More than 50 models in 4-8-12-16m lengths. All delivered with trigger control unit as standard.

## Choose the right torch head

- STD for allround welding tasks
- SNK for full 360 degree-of-freedom
- FLEX for a shapeable torch body
- STUBBY for minimum torch height to make it fit everywhere



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## Comfortable and ergonomic

The TIG 4CE offers high comfort due to its ultra ergonomic design.

- Ergonomic handle design.
- Switch system that keeps dirt and water away from the PCB.
- Single-screw quick and easy (dis)assembly of the whole handle.
- Exchangeable control modules



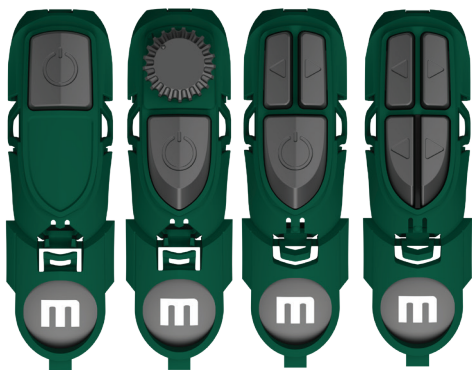
## Flexible

Based on the insights received by welders, we designed a torch it is a pleasure to work with. Exchangeable regulation modules and various torch head options to fit your needs: STD, SNK, FLEX and STUBBY.

- STD for allround welding SNK for full 360 degree-of-freedom
- FLEX for a shapeable torch body
- STUBBY for minimum torch height to make it fit everywhere

## 2K soft rubber grip

2K grip on the bottom cap, made of soft TPE rubber, provides a great stability while holding the torch in any position.

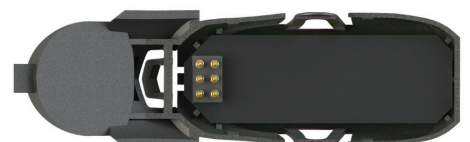


## Control at your fingertips with control units

Pair your torch with a control unit and fine-tune welding parameters directly at the handle. Welders can stay focused on the weld, eliminate unnecessary movement, and achieve precise adjustments without leaving the workpiece. Intuitive keypads and knobs make control units quick to master – simply mount them on the handle without tools and customize your setup for any task.

## Perfect machine contact

Unique gold-plated spring contacts inside the switch module ensure perfect connection with the welding machine.



## TIG 4CE product program

The program includes more than 50 different models – from the very small gas cooled to heavy duty water cooled versions of more than 450 A.

All TIG torches is delivered with a trigger unit as standard, but various control units can be purchased as accessory.

## Abbreviations:

<b>TIG 4CE</b>	=	Model
<b>G</b>	=	Gas cooled (air cooled)
<b>W</b>	=	Water cooled
<b>STD</b>	=	STD
<b>FLEX</b>	=	Flexible torch boy
<b>SNK</b>	=	Adjustable torch body
<b>V</b>	=	Valve
<b>8m</b>	=	Length
<b>7P</b>	=	7 poled torch plug

Art. no.	TIG 4CE 9
80381900	TIG 4CE 9-G STD 4m, 7P
80381901	TIG 4CE 9-G STD 8m, 7P
80381902	TIG 4CE 9-G STD 12m, 7P
80381903	TIG 4CE 9-G STD 16m, 7P
80381910	TIG 4CE 9-G FLEX 4m, 7P
80381911	TIG 4CE 9-G FLEX 8m, 7P
80381912	TIG 4CE 9-G FLEX 12m, 7P
80381913	TIG 4CE 9-G FLEX 16m, 7P
80381920	TIG 4CE 9-G SNK 4m, 7P
80381921	TIG 4CE 9-G SNK 8m, 7P
80381922	TIG 4CE 9-G SNK 12m, 7P
80381923	TIG 4CE 9-G SNK 16m, 7P
80381990	TIG 4CE 9V-G 4m, 7P

Art. no.	TIG 4CE 17
80381700	TIG 4CE 17-G STD 4m, 7P
80381701	TIG 4CE 17-G STD 8m, 7P
80381702	TIG 4CE 17-G STD 12m, 7P
80381703	TIG 4CE 17-G STD 16m, 7P
80381710	TIG 4CE 17-G FLEX 4m, 7P
80381711	TIG 4CE 17-G FLEX 8m, 7P
80381712	TIG 4CE 17-G FLEX 12m, 7P
80381713	TIG 4CE 17-G FLEX 16m, 7P
80381720	TIG 4CE 17-G SNK 4m, 7P
80381721	TIG 4CE 17-G SNK 8m, 7P
80381722	TIG 4CE 17-G SNK 12m, 7P
80381723	TIG 4CE 17-G SNK 16m, 7P

Art. no.	TIG 4CE 24
80381400	4CE 24-G 4m, 7P
80381401	4CE 24-G 8m, 7P

Art. no.	TIG 4CE 26
80381600	TIG 4CE 26-G STD 4m, 7P
80381601	TIG 4CE 26-G STD 8m, 7P
80381602	TIG 4CE 26-G STD 12m, 7P
80381603	TIG 4CE 26-G STD 16m, 7P
80381610	TIG 4CE 26-G FLEX 4m, 7P
80381611	TIG 4CE 26-G FLEX 8m, 7P
80381612	TIG 4CE 26-G FLEX 12m, 7P
80381613	TIG 4CE 26-G FLEX 16m, 7P

Art. no.	TIG 4CE 28
80381800	TIG 4CE 28-G STD 4m, 7P
80381801	TIG 4CE 28-G STD 8m, 7P
80381802	TIG 4CE 28-G STD 12m, 7P
80381803	TIG 4CE 28-G STD 16m, 7P

Art. no.	TIG 4CE 20
80481200	TIG 4CE 20-W STD 4m, 7P
80481201	TIG 4CE 20-W STD 8m, 7P
80481210	TIG 4CE 20-W FLEX 4m, 7P
80481211	TIG 4CE 20-W FLEX 8m, 7P
80481220	TIG 4CE 20-W SNK 4m, 7P
80481221	TIG 4CE 20-W SNK 8m, 7P

Art. no.	TIG 4CE 30
80481300	TIG 4CE 30-W STD 4m, 7P
80481301	TIG 4CE 30-W STD 8m, 7P
80481302	TIG 4CE 30-W STD 12m, 7P
80481303	TIG 4CE 30-W STD 16m, 7P
80481310	TIG 4CE 30-W FLEX 4m, 7P
80481311	TIG 4CE 30-W FLEX 8m, 7P
80481312	TIG 4CE 30-W FLEX 12m, 7P
80481313	TIG 4CE 30-W FLEX 16m, 7P
80481320	TIG 4CE 30-W SNK 4m, 7P
80481321	TIG 4CE 30-W SNK 8m, 7P
80481322	TIG 4CE 30-W SNK 12m, 7P
80841323	TIG 4CE 30-W SNK 16m, 7P

Art. no.	TIG 4CE 18
80481800	TIG 4CE 18-W STD 4m, 7P
80481801	TIG 4CE 18-W STD 8m, 7P
80481810	TIG 4CE 18-W FLEX 4m, 7P
80481811	TIG 4CE 18-W FLEX 8m, 7P
80481820	TIG 4CE 18-W SNK 4m, 7P
80481821	TIG 4CE 18-W SNK 8m, 7P

Art. no.	TIG 4CE 450
80481500	TIG 4CE 450-W 450 4m, 7P
80481501	TIG 4CE 450-W 450 8m, 7P

Art. no.	TIG 4CE 24-W
80481400	TIG 4CE 24-W 4m, 7P
80481401	TIG 4CE 24-W 8m, 7P



<b>TYPE STD</b>	<b>9-G</b>	<b>17-G</b>	<b>18-W</b>	<b>20-W</b>	<b>24-G</b>	<b>24-W</b>	<b>26-G</b>	<b>28-G</b>	<b>30-W</b>	<b>450-W</b>
Power rating AC	80A	100A	225A	155A	60A	150A	130A	210A	225A	315A
DC	110A	140A	320A	220A	80A	210A	180A	300A	320A	450A
Duty cycle	35%	35%	100%	100%	35%	100%	35%	35%	100%	100%
Electrode Ø (mm.)	1.0-1.6	1.0-2.4	1.0-4.0	1.0-3.2	1.0-1.6	1.0-2.4	1.0-4.0	1.6-4.0	1.0-3.2	1.6-4.8
Torch length	4-12mtr	4-12mtr	4-12mtr	4-12mtr	4-12mtr	4-12mtr	4-12mtr	4-8mtr	4-12mtr	4-12mtr
Voltage class	L	L	L	L	L	L	L	L	L	L
Welding gas	Argon DIN 32 526/1	Argon DIN 32 526/1	Argon DIN 32 526/1	Argon DIN 32 526/1	Argon DIN 32 526/1	Argon DIN 32 526/1	Argon DIN 32 526/1	Argon DIN 32 526/1	Argon DIN 32 526/1	Argon DIN 32 526/1
Gas flow rate in l/min	5-12	7-15	7-20	8-22	5-12	7-15	7-18	7-20	8-22	8-22
Cooling ■ Gas ▲ Water	■	■	▲	▲	■	▲	■	■	▲	▲
Highest supply cooling temperature at inlet hose package	-	-	60°C	60°C	-	60°C	-	-	60°C	60°C
Minimum quantity of cooling flow	-	-	1.0l/min	1.0l/min	-	1.0l/min	-	-	1.0l/min	1.0l/min
Lowest pressure of entry	-	-	2.5 bar	2.5 bar	-	2.5 bar	-	-	2.5 bar	2.5 bar
Highest pressure of entry	-	-	5.0 bar	5.0 bar	-	5.0 bar	-	-	5.0 bar	5.0 bar
European standard	EN/IEC60974-7									