

# Push-Pull Torch

## For stable wire feeding in soft wires

The water cooled Push-Pull torch for MIG/MAG welding will ensure precise and stable wire feeding of the softest welding wire in the workshop, including aluminium.

It lowers the risk of the soft wires moving sideways out of the rollers inside the torch during welding. The welder will experience extremely high wire feeding quality.

Choose the Push-Pull torch with a Graphical Smart Torch module to provide easy access to adjusting welding parameter on the torch handle. Using the graphic display, welders can fine-tune settings perfectly, all the way down to one amp without being right next to the machine.

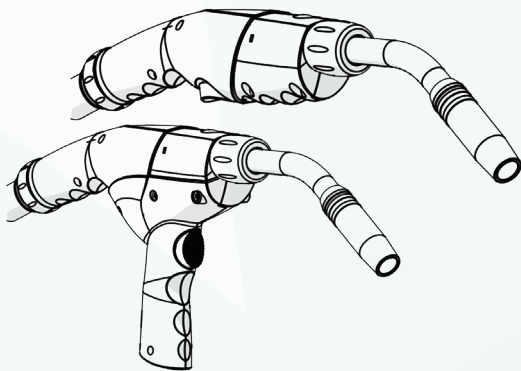
*All Sigma Select machines purchased since February 2021 supports the Push-Pull torch.*

### Applications

The torch is essential equipment for professional welders who build large aluminium constructions in the marine and transport segments, welding ships, trains, buses, chassis and tank trucks

### Installation is plug and play

The welding machine automatically registers the Push-Pull torch. There are no settings to be modified or calibration to be done by the user.



*All Push-Pull torches are delivered with an extra handle for getting a pistol grip. Use the torch without the handle when welding in narrow passages.*

**MIGATRONIC**



## Article no.

80890410	Push/Pull, FKS400, straight, 10 m 1.2 U
80890411	Push/Pull, FKS400, curved, 10 m 1.2 U
80890415	Push/Pull, FKS400, straight, 10 m 1.2 U. <i>Including Graphical Smart Torch module.</i>
80890416	Push/Pull, FKS400, curved, 10 m 1.2U <i>Including Graphical Smart Torch module.</i>

*The Push-Pull torch is configured for welding in 1.2 mm aluminium, but a wide range of wear parts available to fit each welding task.*

## Technical data

Type of Voltage Motor Pull:	DC direct voltage
Wire feed speed:	0.5-24 m/min
Electrode Polarity:	usually positive
Type of torch use:	manual
Types of wire:	commercially available round wires
Shield Gas (DIN EN 439):	CO <sub>2</sub> and mixed gas M21

## General torch data according to EN 60974-7

Type:	FKS 400W
Cooling:	Water
Load:	CO <sub>2</sub> 400 A, M21 350 A
Duty cycle:	100 %
Wire-Ø:	0.8-1.6 mm
Gas flow:	10-20 l/min
Flow temp. max.:	40°C

Cooling data:	
Flow:	min. 1 l/min
Flow pressure:	min. 2.0 bar, max. 3.5 bar