

TWIST 30° Torches

For smooth welding with aluminium

The TWIST 30° torches for air cooling and water cooling are developed specifically for welding with aluminium. They are also highly suited for stainless steel, cobber, and other soft wires.

Using these torches, the welder will experience a smooth and stable wire feeding, less errors due to liner failure and less replacements of liners. Welding with aluminium becomes less risky and more reliable. The torch has an impressively long service life.

30° swan neck minimises friction

We reduced the swan neck degree from the standard 45° to 30°. This minimises friction between the welding wire and the liner inside the welding hose.

Extremely wear resistant liner

We replaced the standard liner with a Grilamid carbon liner that has excellent abrasion and surface slip characteristics. The smooth surface minimises friction and the high wear resistance of the liner extends the service life of the entire torch.

Do not ignore the importance of the liner

The liner facilitates a smooth feeding of the wire from the wire feed role to the contact tip.

The feeding quality is crucial to a successful weld. Even the greatest software cannot compensate for an unstable or irregular wire feeding - you always rely on hardware characteristics.

MIGATRONIC



Article no.	Name
80197247	ML240 TWIST 30° 3 meters, 1.2 ALU
80297606	MV400 FKS TWIST 30° 3 meters, 1.2 ALU
80297607	MV400 FKS TWIST 30° 4 meters, 1.2 ALU

Twist 30° torch	ML 240	MV 400 FKS
Duty cycle CO2 60%	250 A	415 A
Duty cycle CO2 100%	225 A	415 A
Mixgas 60%	220 A	350 A
Mixgas 100%	195 A	350 A
Gas flow +/-5%	15 l/min.*	18 l/min.*
Min flow rate water cooling 1 bar	-	1 l/min.
Wire diameter. mm	0.6-1.6	0.8-2.4
Cable, mm ²	25	16
Weight, kg	1.2 kg	1.6 kg
Total weight kg, 3 m	2.1 kg	3.1 kg
Connection	ZA	ZA

* = Minimum gas flow for compliance with maximum performance

Applications

For professional welders who build aluminium or stainless steel constructions e.g. in the marine and transport segments and in the processing industry.

