



Technical data

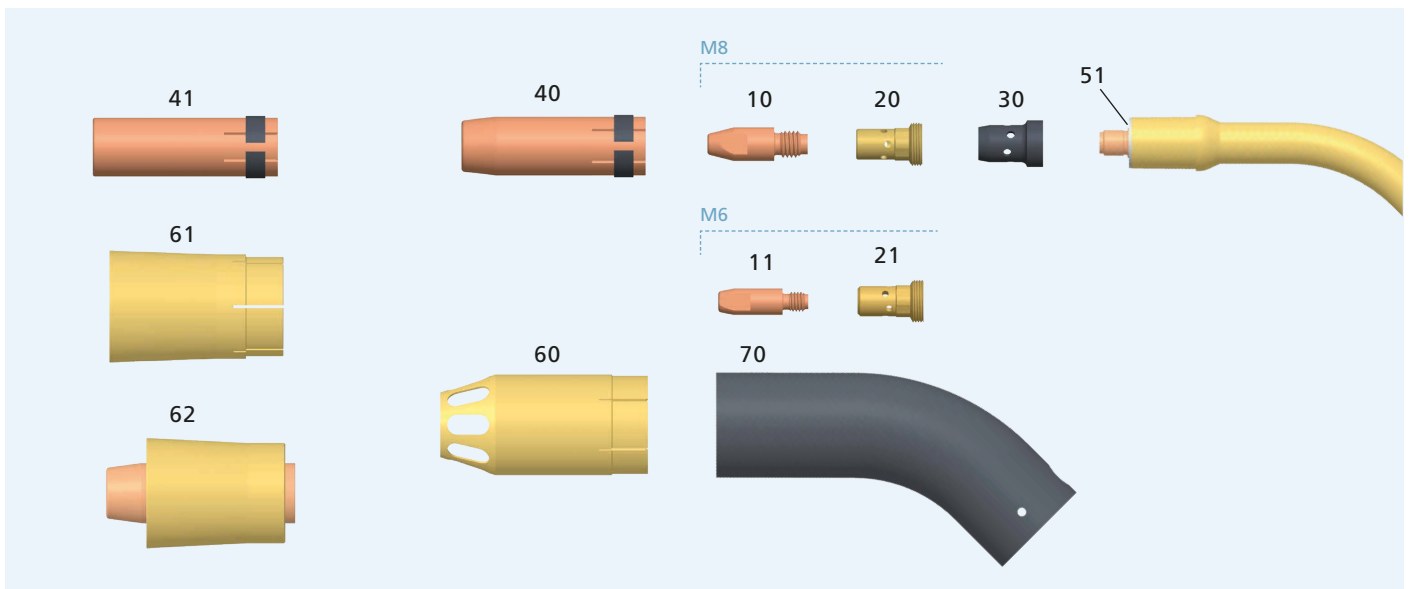
Cooling method	water cooled
Wire diameter	1.0 - 1.6 mm
Gas flow	16 l/min
Technical specification	according to IEC 60974-7

Ordering information for torches



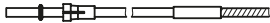
Model	Rating [A] at 100% duty cycle (10 min. cycle)		Extraction rate Nm ³ / h	Differential pressure Pa	Torch with Euro connector	Torch neck
	Mixed gas (M21)	CO ₂				
TBi 511 E3	450	450	50	1.70	234P4X15_0*	234P001036
TBi 511 E3-E with Extract module	450	450	50	1.70	234PEX15_0*	234P001036

Supplied equipped for steel wire Ø 1.2 mm. Wire guide, not insul. (Ø 1.0 - 1.2 mm).

* At the blank, please insert suitable information for torch length, e.g. 3 for 3 m.



	Pos.	Description	PU	Part No.
Contact tips	▶ 10	M8x30, ECu	50	340P__1262*
	10	M8x30, CuCrZr	50	340P__3262*
	10	M8x30, Alu, ECu	50	341P__1262*
	11	M6x28, ECu	50	340P__1069*
	11	M6x28, CuCrZr	50	340P__3069*
	11	M6x28, Alu, ECu	50	341P__1069*
Tip holder	▶ 20	for contact tip M8, Ms	50	342P008033
	20	for contact tip M8, Ms, 4 mm longer version	50	342P008133
	21	for contact tip M6	50	342P006033
	21	for contact tip M6, 4 mm longer version	50	342P006133
Gas diffuser	▶ 30	Thermoset, black	50	130P002026
	—	Ceramic	10	130P002019
Gas nozzles	▶ 40	NW 16 mm, conical, L= 75.5 mm	10	345P012030
	41	NW 20 mm, cylindrical, L= 75.5 mm	10	345P011030
Spare parts	51	Insulating washer	10	130P002004
Fume shroud	▶ 60	for TBi 511 E3	1	200P002043
	61	for TBi 511 E3, funnel fume shroud, pluggable	1	200P002045
	62	for TBi 511 E3, with integrated gas nozzle, NW 16 mm	1	200P101005
Outer tube	70	for TBi 511 E3	1	234P102035

Wire guides	Ø	Colour	3 m	4 m	5 m
Liners for steel wire 	1.0 - 1.2	not insul.	▶ 322P204534	▶ 322P204544	▶ 322P204554
	1.2 - 1.6	not insul.	322P254534	322P254544	322P254554
PTFE liners for aluminium and stainless steel wire 	1.0 - 1.2	red	326P204035	326P204045	326P204055
	1.2 - 1.6	yellow	326P274735	326P274745	326P274755
PA liners with bronze liner for aluminium wire 	0.8 - 1.0	anthracite	328P20403A	328P20404A	328P20405A
	1.2 - 1.6	anthracite	328P23473A	328P23474A	328P23475A

▶ = Standard equipment

* At the blank, please insert suitable information for wire diameter, e.g. 08 for 0.8 mm.

