

Technical Data

Rating at 100% duty cycle
(10 min. cycle)

- Mixed gas: 450 A
- CO₂: 500 A

Cooling method Water cooling

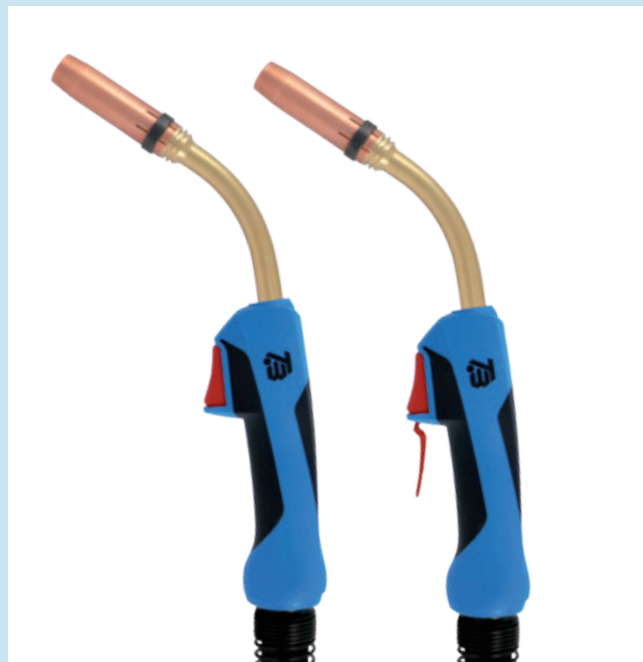
Wire diameter 1.0 - 1.6 mm

Gas flow 16 l/min

Technical specification according to IEC 60974-7

Connection Euro-Central connector
Other connectors are available upon request.

Torch rating will be reduced when using pulsed-arc power sources.



Contact tips

M8	Pos.	Description	Part no.
	► 10	ECu, M8 x 30	340P__1262*
		CuCrZr, M8 x 30	340P__3262*
		Alu, ECu, M8 x 30	341P__1262*
M6	11	ECu, M6 x 28	340P__1069*
		CuCrZr, M6 x 28	340P__3069*
		Alu, ECu, M6 x 28	341P__1069*

► = Standard equipment

* At the blank, please insert suitable information for torch length or wire diameter, e.g. 3 for 3 m or 08 for 0.8 mm.

Tip holders

Pos.	Description	Part no.
► 20	for contact tip M8	342P008033
	for contact tip M8, 4 mm longer version	342P008133
21	for contact tip M6	342P006033
	for contact tip M6, 4 mm longer version	342P006133

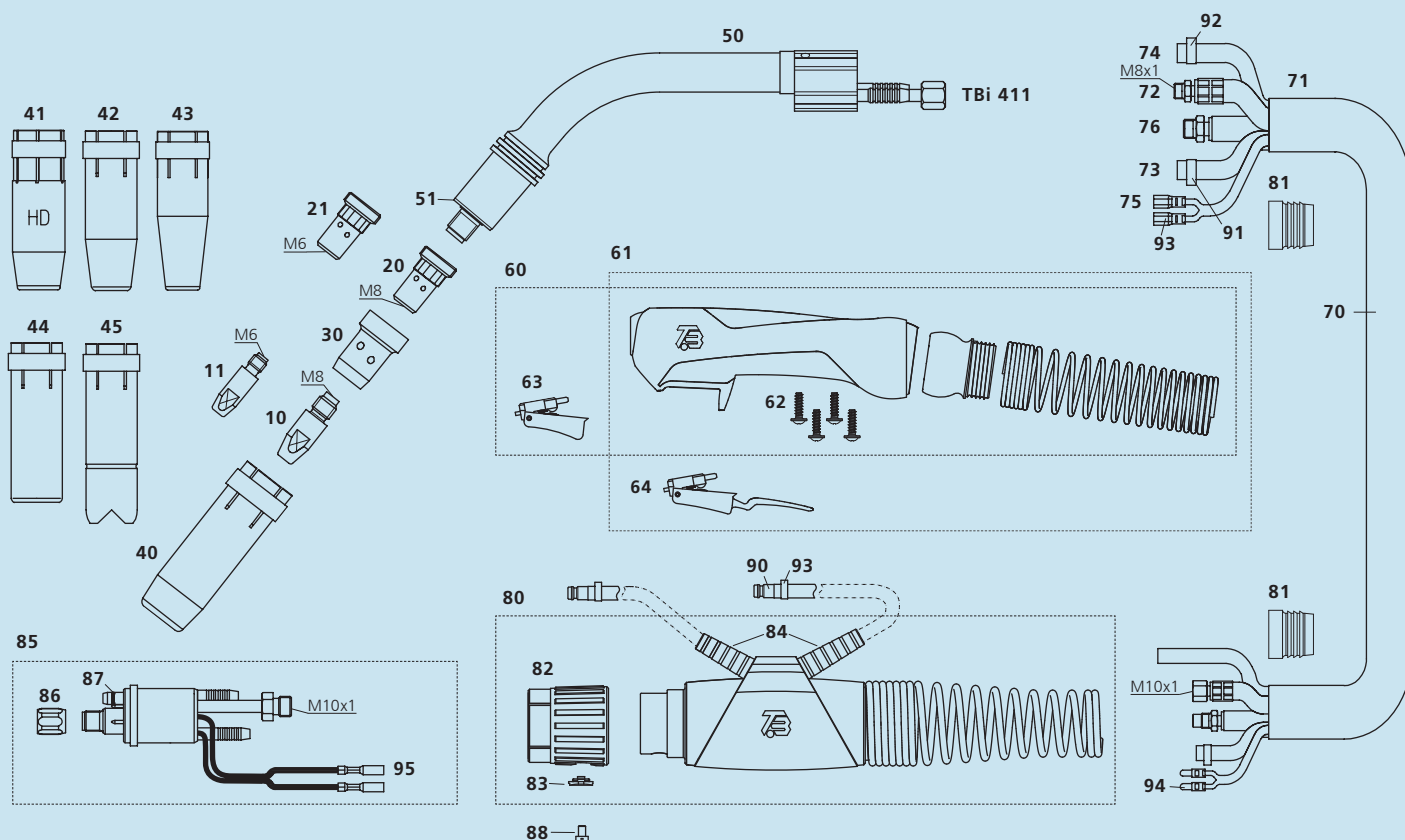
Ordering information for torches

Supplied equipped for steel wire Ø 1.0 mm

TBi 411 Expert	with Euro central connector	3 m	133P421030
		4 m	133P421040
		5 m	133P421050
TBi 411 Expert	with Euro central connector and long trigger	3 m	133P4L1030
		4 m	133P4L1040
		5 m	133P4L1050

Spare parts

Pos.	Description	Part no.
50	Torch neck TBi 411, 50°	133P001001
51	Insulating washer	130P002004
60	Handle Expert cpl., water cooled	380P230003
61	Handle Expert cpl., water cooled, long trigger	380P230004
62	Screw for Expert handle	100P541101
63	Trigger, red, 2 poles	385P021016
64	Trigger long, red, 2 poles	385P021018



Gas diffuser



Pos.		Part no.
30	thermoset, black, very robust	130P002026
	ceramic, white, extremely heat resistant	130P002019

Gas nozzle



Pos.		Part no.
40	conical, NW 16 mm L= 75.5 mm	345P012030
41	conical, NW 16 mm Heavy Duty L= 75.5 mm	345P012032
42	conical, NW 14 mm L= 75.5 mm	345P013030
43	conical, NW 12 mm only for M6 L= 75.5 mm	345P016030
44	cylindrical, NW 20 mm L= 75.5 mm	345P011030
45	spot welding nozzle NW 20 mm L= 85 mm	345P015030

Pos.	Description	Part no.
70	Cable assembly Expert ,Classic', 2-C	123P0400_0*
71	Fabric outer cover 25x1.5 mm, for Expert	307P2528_E*
72	Water-power cable ,Classic', blue, 2-C	316P1621_0*
72	Water-power cable ,Classic', black, HD (option)	314P1621_0*
73	PVC hose, braided, black, 5x1.5 mm	302P020000
74	PVC-Gas hose, black, 4.5x1.5 mm	302P010000
75	Control cable x.30 m cpl.	301P2304_0*
76	Wire conduit ,Classic', yellow	356P0401_0*
80	Cable support Expert cpl., water cooled	700P001066
81	Clamping ring for outer cover	600P102201
82	Adaptor nut Expert	700P001010
83	Cap for adaptor nut Expert	700P002059
84	Grommet for Expert	700P002058

Pos.	Description	Part no.
85	Central adaptor ESW cpl., 2 poles, moveable pins	701P001049
86	Sleeve nut M10x1	701P002005
87	O-ring 4.0x1.0 mm (gas nipple)	365P100040
88	Screw M4x6	100P008401
90	Quick connector	701P002064
91	Hose clamp with ring Ø 8.7	373P000087
92	Hose clamp with ring Ø 9.5	373P100095
93	Hose clamp with ring Ø 9.0	373P100090
94	Cable lug, flat	375P000023
95	Insulated connector, male, round	375P000004
96	Insulated connector, female, round	375P000003