

MIG/MAG Welding Torches

TBi T-Lux



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TBi T-LUX MIG/MAG

The new TBi T-Lux MIG / MAG handle ensures fatigue-free handling with its slim and ergonomic design.

With a defined panning and redating range, the ball joint allows for flexible range of motion and optimum control options. The TBi T-Lux guarantees a reliable grip and precise handling of the torch even in forced positions.



TBi T-LUX MIG/MAG

The new TBi T-Lux handle with optimized construction is also suitable for our particularly powerful torch models.



Only three Torx screws are required for reliable connection



The TBi T-Lux handle is extremely robust due to the production in the 2-K Injection Molding Process and also guarantees increased durability.

The softgrip surface with its new structure and special haptics ensures particularly non-slip and safe handling.



The new pushbutton with its optimal positioning and ribbing ensure precise handling.



The union nut has sufficient threads to ensure that it cannot be opened unexpectedly.

The ball joint with defined panning and rotation range prevents twisted hoses in the cable assembly.



Technical data

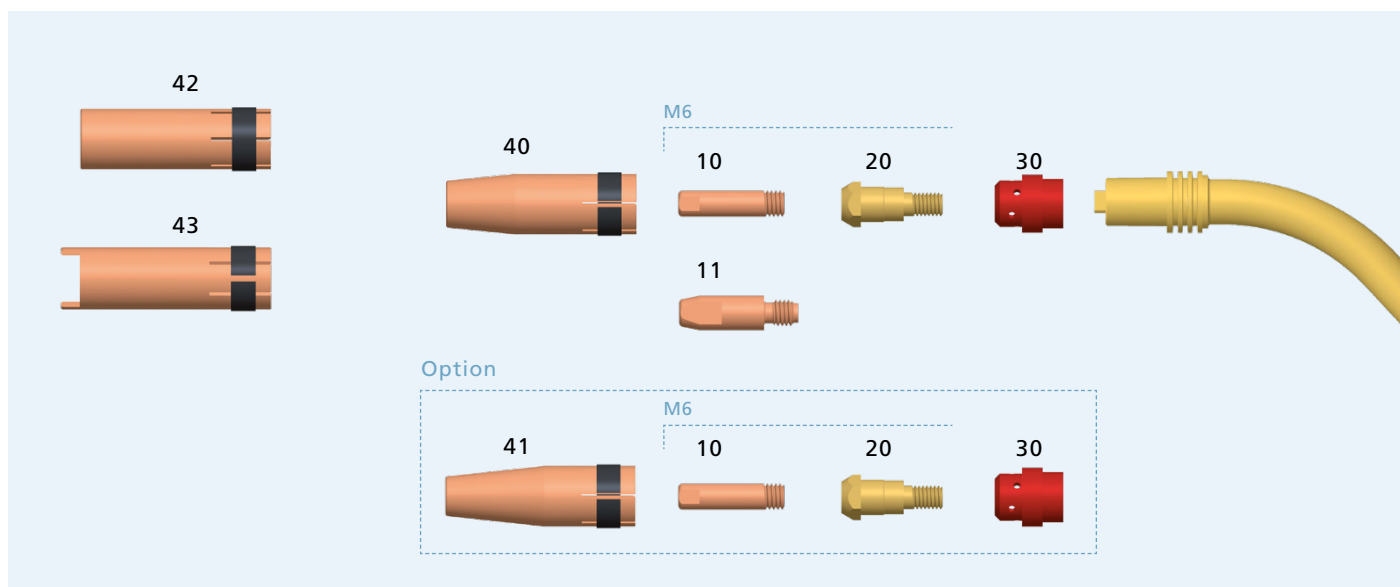
Cooling method	gas cooled
Wire diameter	0.8 - 1.2 mm
Gas flow	12 l/min
Technical specification	according to IEC 60974-7

Ordering information for torches

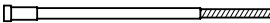
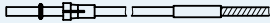
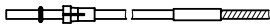
Model	Rating [A] at 60% duty cycle (10 min. cycle) Mixed gas (M21)	Torch with Euro connector	Torch neck
TBi 240 T-Lux	210	112P3810_0*	112P001013

Supplied equipped for steel wire Ø 1.0 mm. Liner red (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	M6x25, ECu	50	340P__1073*
	10	M6x25, CuCrZr	50	340P__3073*
	10	M6x25, Alu, ECu	50	341P__1073*
	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 M6	50	342P006012
Gas diffusor	► 30	Rubber, red	50	112P002019
	—	Thermoset, black	50	112P002024
	—	Ceramik	10	112P002021
Gas nozzles	► 40	NW 12.5 mm, conical, L= 63.5 mm	10	345P012012
	40	NW 12.5 mm, conical, L= 63.5 mm, HD	10	345P012312
	41	NW 10 mm, conical, L= 63.5 mm, only for M6x25	10	345P013012
	42	NW 17 mm, cylindrical, L= 63.5 mm	10	345P011012
	42	NW 17 mm, cylindrical, L= 63.5 mm, HD	10	345P011312
	43	NW 17 mm, spot welding nozzle, L= 68 mm	10	345P015012

Wire guides	Ø	colour	3 m	4 m	5 m
Liners for steel wire 	0.8 - 1.0	blue	324P154534	324P154544	324P154554
	1.0 - 1.2	red	► 324P204534	► 324P204544	► 324P204554
PTFE liners with bronze liner for aluminum and stainless steel wire 	0.8 - 1.0	blue	326P15403A	326P15404A	326P15405A
	1.0 - 1.2	red	326P20403A	326P20404A	326P20405A
PA liners with bronze liner for aluminium wire 	0.8 - 1.0	anthracite	328P20403A	328P20404A	328P20405A

► = Standard equipment

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





Technical data

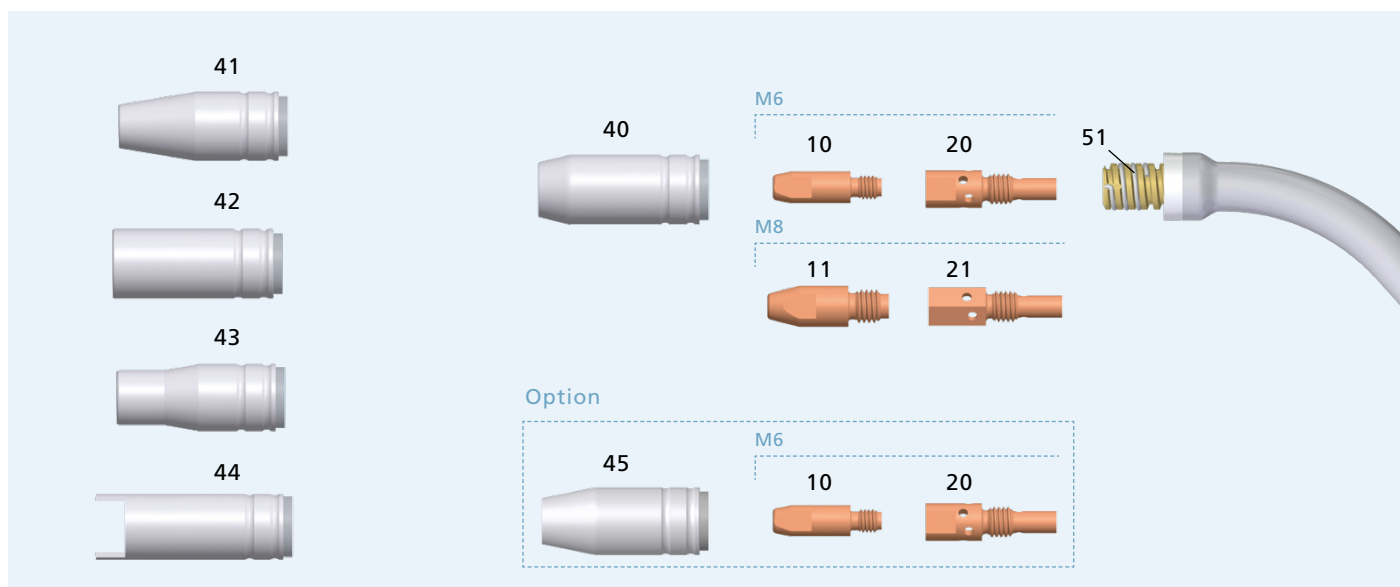
Cooling method	gas cooled
Wire diameter	0.8 - 1.2 mm
Gas flow	12 l/min
Technical specification	according to IEC 60974-7

Ordering information for torches

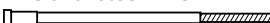
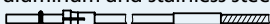
Model	Rating [A] at 60% duty cycle (10 min. cycle) Mixed gas (M21)	Torch with Euro connector	Torch neck
TBi 250 T-Lux	200	104P3810_0*	104P001008

Supplied equipped for steel wire Ø 1.0 mm. Liner red (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	M6x28, ECu	50	340P__1069*
	10	M6x28, CuCrZr	50	340P__3069*
	10	M6x28, Alu, ECu	50	341P__1069*
	11	M8x30, ECu	50	340P__1262*
	11	M8x30, CuCrZr	50	340P__3262*
	11	M8x30, Alu, ECu	50	341P__1262*
Tip holder	► 20	for contact tip M6	50	342P006003
	21	for contact tip M8	50	342P008003
Gas nozzles	► 40	NW 15 mm, conical, L= 56.8 mm	10	345P012003
	40	NW 15 mm, conical, L= 56.8 mm, long insulation	10	345P012303
	41	NW 11 mm, conical, L= 56.2 mm, only for M6	10	345P013003
	42	NW 20 mm, cylindrical, L= 56.2 mm, long insulation	10	345P011303
	43	NW 14 mm, flaschenform, L= 56.2 mm	10	345P014003
	43	NW 11 mm, flaschenform, L= 56.2 mm, only for M6	10	345P014303
	44	NW 18 mm, spot welding nozzle, L= 66.7 mm, long insulation	10	345P015503
	45	NW 12.5 mm, conical, L= 56.8 mm	10	345P016003
Spare parts	51	Nozzle spring TBi 250	10	103P002006

Wire guides	Ø	colour	3 m	4 m	5 m
Liners for steel wire 	0.8 - 1.0	blue	324P154534	324P154544	324P154554
	1.0 - 1.2	red	► 324P204534	► 324P204544	► 324P204554
PTFE liners with bronze liner for aluminum and stainless steel wire 	0.8 - 1.0	blue	326P15403A	326P15404A	326P15405A
	1.0 - 1.2	red	326P20403A	326P20404A	326P20405A
PA liners with bronze liner for aluminium wire 	0.8 - 1.0	anthracite	328P20403A	328P20404A	328P20405A

► = Standard equipment

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





Technical data

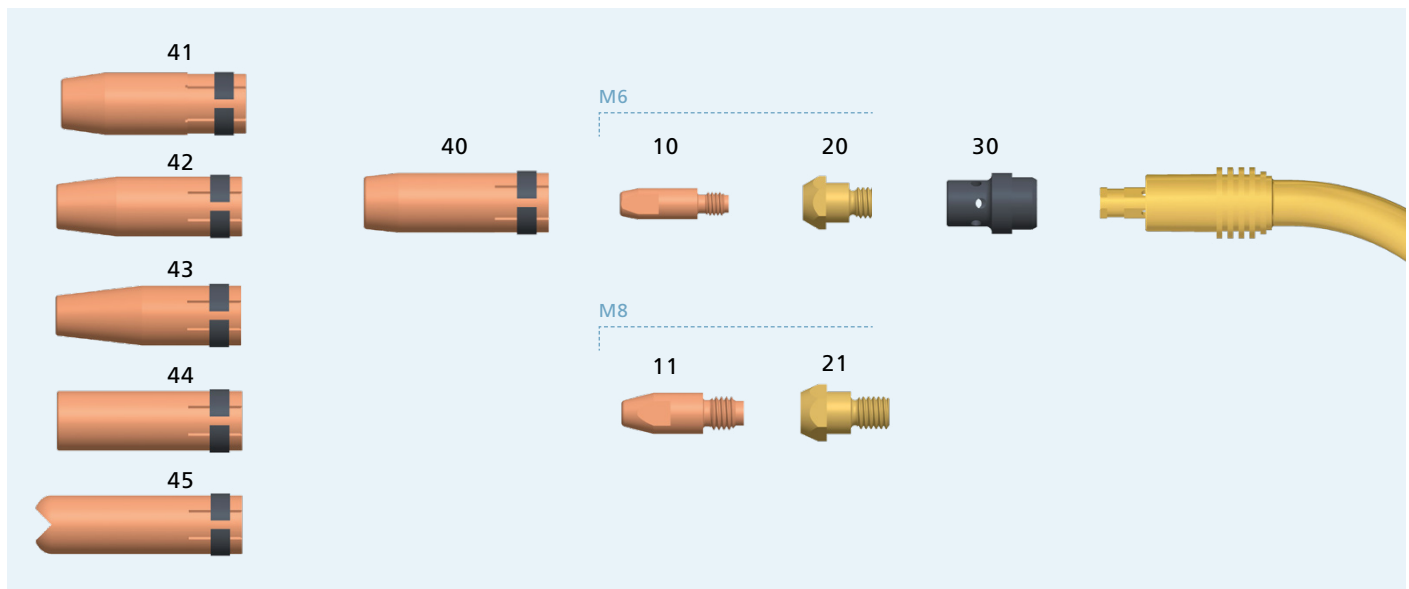
Cooling method	gas cooled
Wire diameter	1.0 - 1.2 mm
Gas flow	12 l/min
Technical specification	according to IEC 60974-7

Ordering information for torches

Model	Rating [A] at 60% duty cycle (10 min. cycle) Mixed gas (M21)	Torch with Euro connector	Torch neck
TBi 260 T-Lux	230	118P3810_0*	118P001020

Supplied equipped for steel wire Ø 1.0 mm. Liner red (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	M6x28, ECu	50	340P__1069*
	10	M6x28, CuCrZr	50	340P__3069*
	10	M6x28, Alu, ECu	50	341P__1069*
	11	M8x30, ECu	50	340P__1262*
	11	M8x30, CuCrZr	50	340P__3262*
	11	M8x30, Alu, ECu	50	341P__1262*
Tip holder	► 20	for contact tip M6	50	342P006018
	20	for contact tip M6, 3 mm longer version	50	342P006118
	21	for contact tip M8	50	342P008018
Gas diffuser	► 30	Thermoset, black	50	118P002021
Gas nozzles	► 40	NW 16 mm, conical, L= 75.5 mm	10	345P012030
	41	NW 16 mm, conical, L= 75.5 mm, HD	10	345P012032
	42	NW 14 mm, conical, L= 75.5 mm	10	345P013030
	43	NW 12 mm, conical, L= 75.5 mm, only for M6	10	345P016030
	44	NW 20 mm, cylindrical, L= 75.5 mm	10	345P011030
	45	NW 20 mm, spot welding nozzle, L= 85 mm	10	345P015030

Wire guides	Ø	colour	3 m	4 m	5 m
Liners for steel wire 	1.0 - 1.2	red	► 324P204534	► 324P204544	► 324P204554
PTFE liners with bronze liner for aluminum and stainless steel wire 	1.0 - 1.2	red	326P20403A	326P20404A	326P20405A
PA liners with bronze liner for aluminium wire 	0.8 - 1.0	anthracite	328P20403A	328P20404A	328P20405A

► = Standard equipment

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



Technical data

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

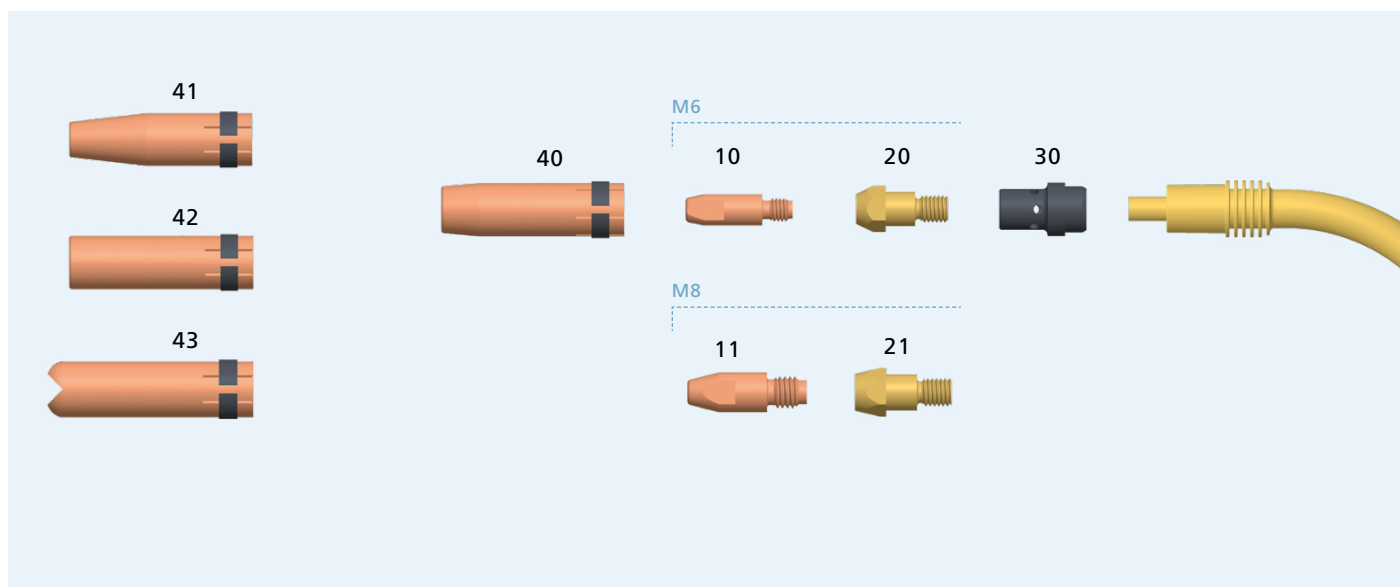
Ordering information for torches

Model	Rating [A] at 60% duty cycle (10 min. cycle) Mixed gas (M21)	equipped with	Torch with Euro connector	Torch neck
► TBi 360 T-Lux	300	M6	114P3810_0*	114P001001
TBi 360 T-Lux	300	M8	114P3E10_0*	114P001001

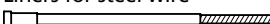
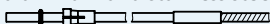
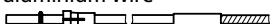
Supplied equipped for steel wire Ø 1.2 mm. Liner red (Ø 1.0 - 1.2 mm).

► = Standard equipment

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



	Pos.	Description	PU	Part no.
Contact tips	► 10	M6x28, ECu	50	340P__1069*
	10	M6x28, CuCrZr	50	340P__3069*
	10	M6x28, Alu, ECu	50	341P__1069*
	11	M8x30, ECu	50	340P__1262*
	11	M8x30, CuCrZr	50	340P__3262*
	11	M8x30, Alu, ECu	50	341P__1262*
Tip holder	► 20	for contact tip M6	50	342P006014
	20	for contact tip M6, 4 mm longer version	50	342P006114
	21	for contact tip M8	50	342P008014
	21	for contact tip M8, 6 mm longer version	50	342P008114
Gas diffuser	► 30	Thermoset, black	50	114P002007
	—	Ceramik	10	114P002005
	—	Thermoset HD, brown	10	114P002011
Gas nozzles	► 40	NW 16 mm, conical, L= 83.5 mm	10	345P012010
	41	NW 12 mm, conical, L= 83.5 mm	10	345P013010
	42	NW 20 mm, cylindrical, L= 83.5 mm	10	345P011010
	43	NW 20 mm, spot welding nozzle, L= 90 mm	10	345P015010

Wire guides	Ø	colour	3 m	4 m	5 m
Liners for steel wire 	1.0 - 1.2	red	► 324P204534	► 324P204544	► 324P204554
	1.2 - 1.6	yellow	324P254534	324P254544	324P254554
PTFE liners with bronze liner for aluminum and stainless steel wire 	1.0 - 1.2	red	326P20403A	326P20404A	326P20405A
	1.2 - 1.6	yellow	326P27473A	326P27474A	326P27475A
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.





Technical data

Cooling method	gas cooled
Wire diameter	1.2 - 1.6 mm
Gas flow	14 l/min
Technical specification	according to IEC 60974-7

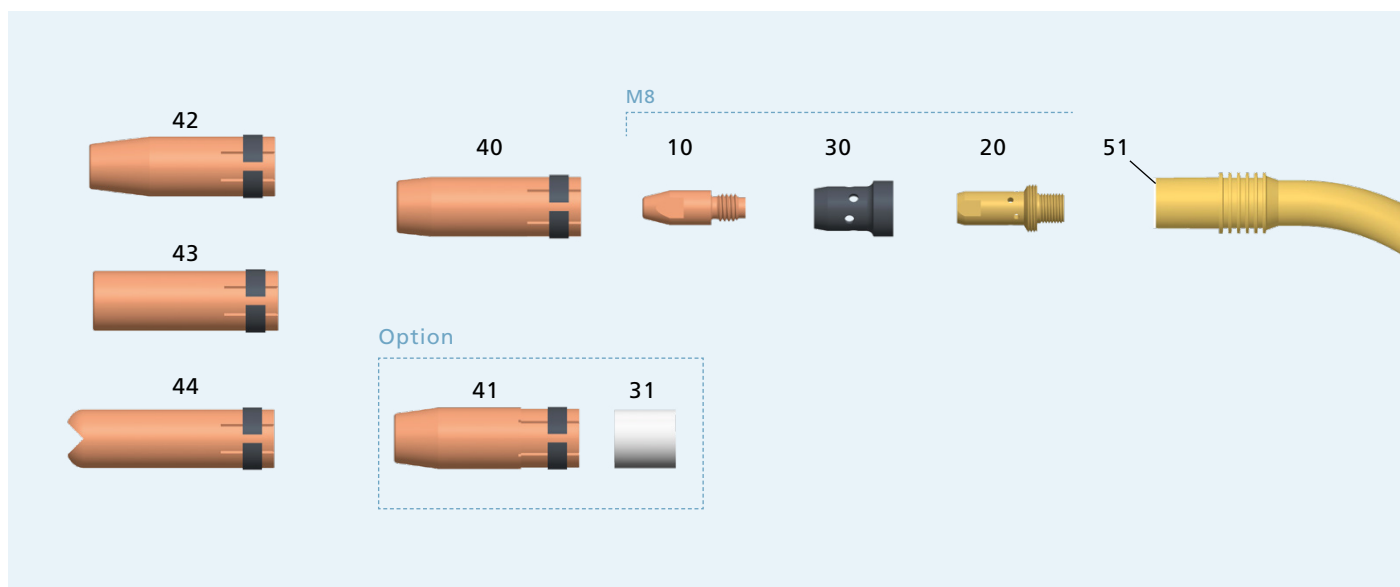
Ordering information for torches

Model	Rating [A] at 60% duty cycle (10 min. cycle) Mixed gas (M21)	Torch with Euro connector	Torch neck
TBi 380 T-Lux	310	917P3810_0*	917P001001

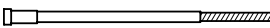
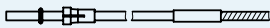
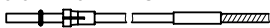
Supplied equipped for steel wire Ø 1.2 mm. Liner red (Ø 1.0 - 1.2 mm).

► = Standard equipment

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



	Pos.	Description	PU	Part no.
Contact tips	► 10	M8 x 30, ECu	50	340P__1262*
	10	M8 x 30, CuCrZr	50	340P__3262*
	10	M8 x 30, Alu, ECu	50	341P__1262*
Tip holder	► 20	for contact tip M8	10	342P054884
Gas diffusor, Nozzle insulator	► 30	Thermoset, black	50	130P002026
	—	Thermoset, HD, brown	10	130P002031
	—	Ceramik	10	130P002019
	31	Glas fiber	10	346P054860
Gas nozzles	► 40	NW 16 mm, conical, L= 75.5 mm	10	345P012030
	41	NW 16 mm, conical, L= 75.5 mm, HD	10	345P012032
	42	NW 14 mm, conical, L= 75.5 mm	10	345P013030
	43	NW 20 mm, cylindrical, L= 75.5 mm	10	345P011030
	44	NW 20 mm, spot welding nozzle, L= 85 mm	10	345P015030
Spare parts	51	Insulating washer	10	130P002004
	—	Insulating washer, glas fiber	10	130P002007

Wire guides	Ø	colour	3 m	4 m	5 m
Liners for steel wire 	1.0 - 1.2	red	► 324P204534	► 324P204544	► 324P204554
	1.2 - 1.6	yellow	324P254534	324P254544	324P254554
PTFE liners with bronze liner for aluminum and stainless steel wire 	1.0 - 1.2	red	326P20403A	326P20404A	326P20405A
	1.2 - 1.6	yellow	326P27473A	326P27474A	326P27475A
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.





Technical data

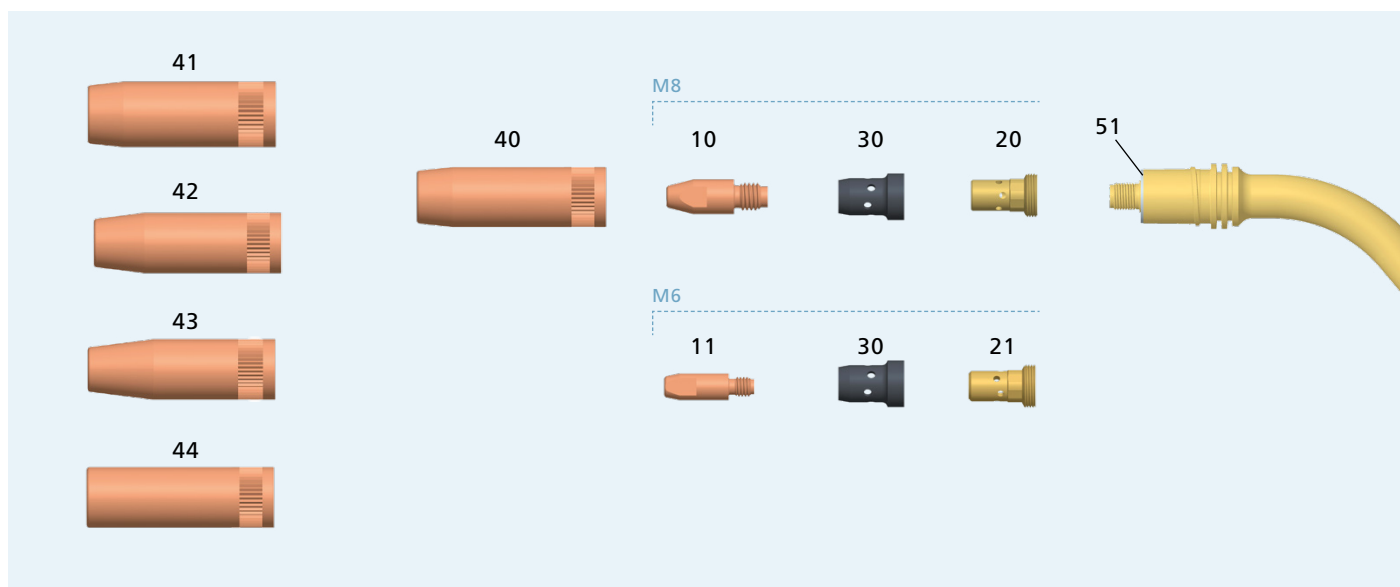
Cooling method	gas cooled
Wire diameter	1.0 - 1.6 mm
Gas flow	16 l/min
Technical specification	according to IEC 60974-7

Ordering information for torches

Model	Rating [A] at 60% duty cycle (10 min. cycle) Mixed gas (M21)	Torch with Euro connector	Torch neck
TBi 7G T-Lux	260	166P3820_0*	166P101140

Supplied equipped for steel wire Ø 1.0 mm. Liner red (Ø 1.0 - 1.2 mm).

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



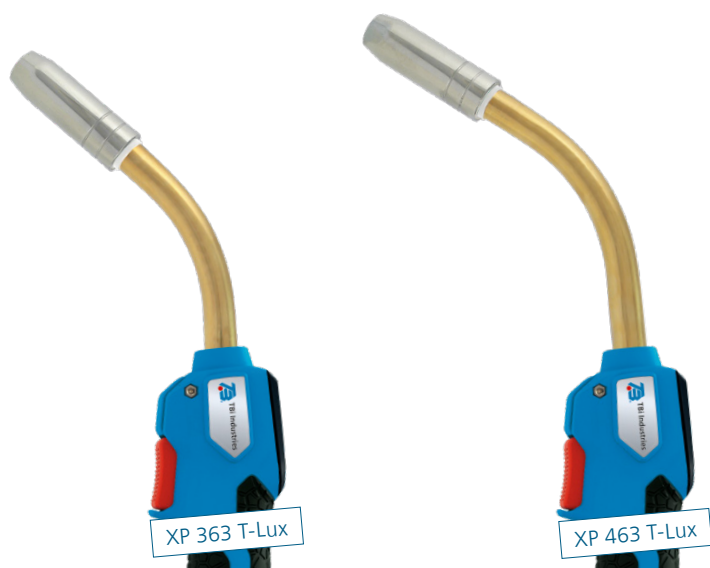
	Pos.	Description	PU	Part no.
Contact tips	► 10	M8x30, ECu	50	340P__1262*
	10	M8x30, CuCrZr	50	340P__3262*
	10	M8x30, Alu, ECu	50	341P__1262*
	11	M6x28, ECu	50	340P__1069*
	11	M6x28, CuCrZr	50	340P__3069*
	11	M6x28, Alu, ECu	50	341P__1069*
Tip holder	► 20	for contact tip M8	50	342P008033
	20	for contact tip M8, 4 mm longer version	50	342P008133
	—	for contact tip M8, CuCrZr	10	342P008171
	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
	—	Ceramik	10	130P002019
Gas nozzles	► 40	NW 16 mm, conical, L= 75.5 mm	5	345P022171
	41	NW 16 mm, conical, L= 75.5 mm, HD	5	345P022271
	42	NW 14 mm, conical, L= 75.5 mm	5	345P023171
	43	NW 12 mm, conical, L= 75.5 mm, only for M6	5	345P026171
	44	NW 19 mm, cylindrical, L= 75.5 mm	5	345P021171
Spare parts	51	Insulating washer	10	130P002004
	—	Insulating washer, glas fiber	10	130P002007

Wire guides	Ø	colour	3 m	4 m	5 m
Liners for steel wire 	1.0 - 1.2	red	► 324P204534	► 324P204544	► 324P204554
	1.2 - 1.6	yellow	324P254534	324P254544	324P254554
PTFE liners with bronze liner for aluminum and stainless steel wire 	1.0 - 1.2	red	326P20403A	326P20404A	326P20405A
	1.2 - 1.6	yellow	326P27473A	326P27474A	326P27475A
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.





Technical data

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

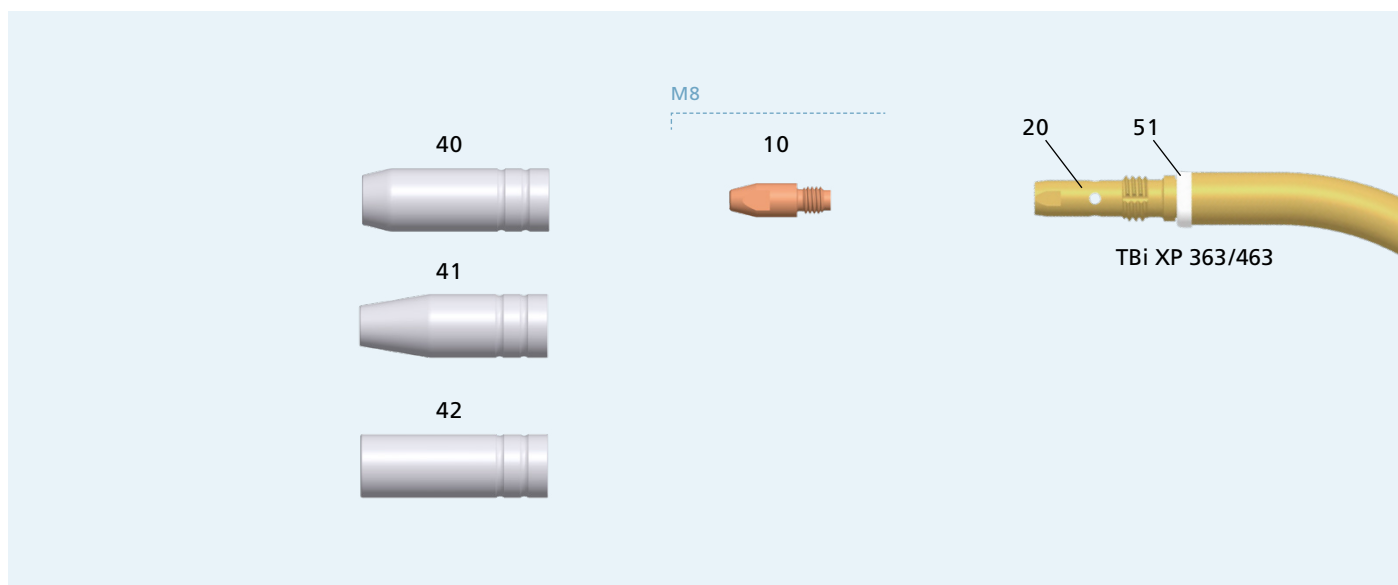
Ordering information for torches

Model	Rating [A] at 60% duty cycle (10 min. cycle) Mixed gas (M21)	Komplettbrenner mit Euro-Anschluss	Torch neck
TBi XP 363 T-Lux	280	145P38B0_0*	145P101010
TBi XP 463 T-Lux	300	145P3830_0*	145P101011

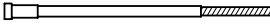
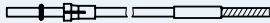
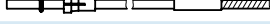
Supplied equipped for steel wire Ø 1.2 mm. Liner red (Ø 1.0 - 1.2 mm).

► = Standard equipment

* 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*
Gas nozzlesträger	► 20	for contact tip M8	2	145P102008
Gas nozzles	► 40	NW 15 mm, conical, L= 68.5 mm	5	345P022045
	41	NW 11 mm, conical, L= 68.5 mm	5	345P023045
	42	NW 20 mm, cylindrical, L= 68.5 mm	5	345P021045
Spare parts	51	Insulator	5	145P102004

Wire guides	Ø	colour	3 m	4 m	5 m
Liners for steel wire 	0.8 - 1.0	blue	324P154534	324P154544	324P154554
	1.0 - 1.2	red	► 324P204534	► 324P204544	► 324P204554
	1.2 - 1.6	yellow	324P254534	324P254544	324P254554
PTFE liners with bronze liner for aluminum and stainless steel wire 	1.0 - 1.2	red	326P20403A	326P20404A	326P20405A
	1.2 - 1.6	yellow	326P27473A	326P27474A	326P27475A
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.





Technical data

Cooling method	water cooled
Wire diameter	0.8 - 1.2 mm
Gas flow	14 l/min
Technical specification	according to IEC 60974-7

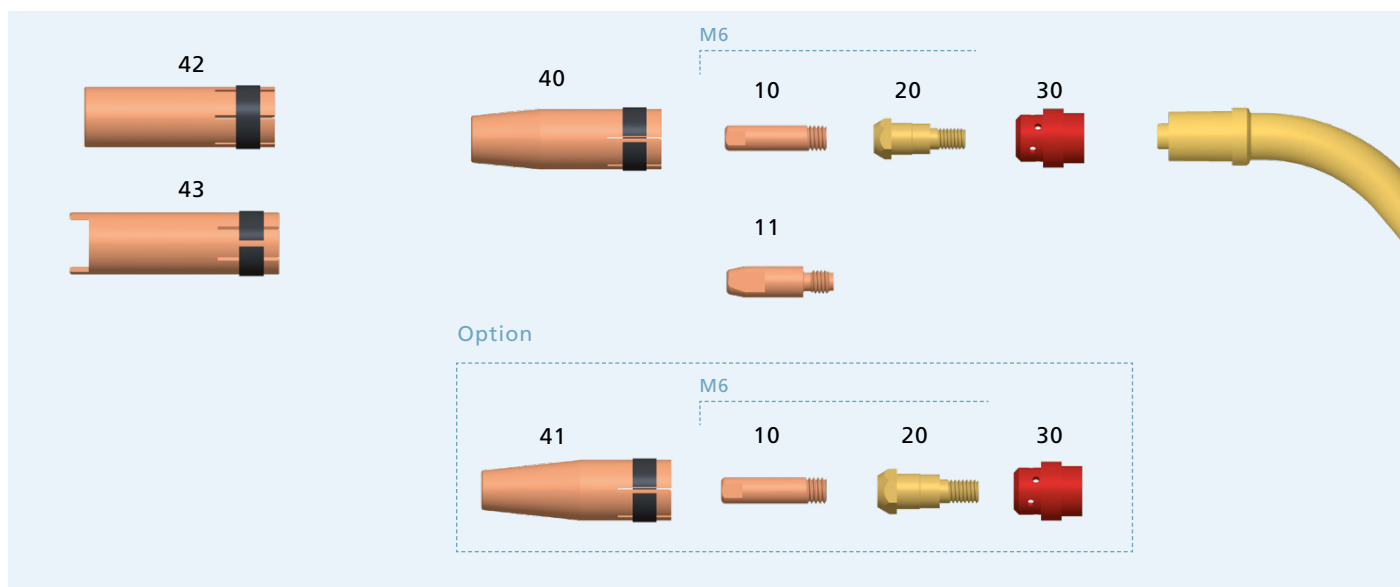
Ordering information for torches

Model	Rating [A] at 100% duty cycle (10 min. cycle) Mixed gas (M21)	Torch with Euro connector	Torch neck
TBi 241 T-Lux	270	123P4810_0*	123P001001

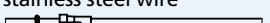
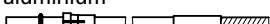
Supplied equipped for steel wire Ø 1.0 mm. Liner not insulated (Ø 1.0 - 1.2 mm).

► = Standard equipment

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



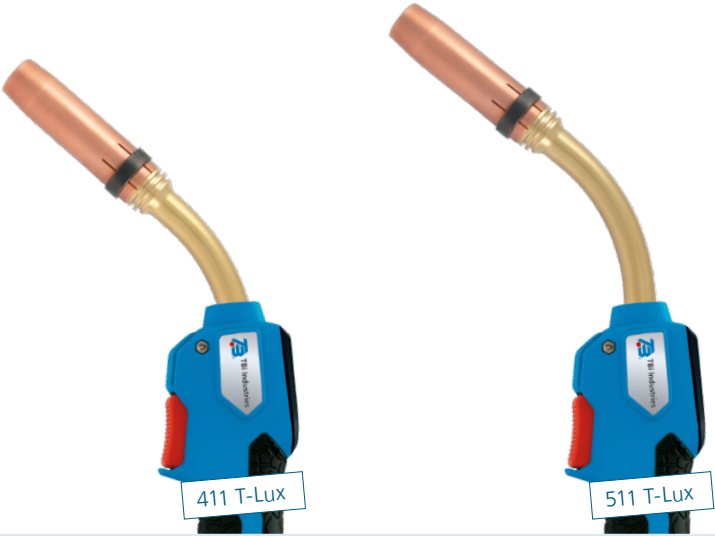
	Pos.	Description	PU	Part no.
Contact tips	► 10	M6x25, ECu	50	340P__1073*
	10	M6x25, CuCrZr	50	340P__3073*
	10	M6x25, Alu, ECu	50	341P__1073*
	11	M6x28, ECu	50	340P__1069*
	11	M6x28, CuCrZr	50	340P__3069*
	11	M6x28, Alu, ECu	50	341P__1069*
Tip holder	► 20	for contact tip M6	50	342P006012
Gas diffuser	► 30	Rubber, red	50	112P002019
	—	Thermoset, black	50	112P002024
	—	Ceramik	10	112P002021
Gas nozzles	► 40	NW 12.5 mm, conical, L= 63.5 mm	10	345P012012
	40	NW 12.5 mm, conical, L= 63.5 mm, HD	10	345P012312
	41	NW 10 mm, conical, L= 63.5 mm, only for M6x25	10	345P013012
	42	NW 17 mm, cylindrical, L= 63.5 mm	10	345P011012
	42	NW 17 mm, cylindrical, L= 63.5 mm, HD	10	345P011312
	43	NW 17 mm, spot welding nozzle, L= 68 mm	10	345P015012

Wire guides	Ø	colour	3 m	4 m	5 m
Liners for steel wire	0.8 - 1.0	blue	324P154534	324P154544	324P154554
	1.0 - 1.2	not insul.	► 322P204534	► 322P204544	► 322P204554
PTFE liners for aluminum and stainless steel wire	0.8 - 1.0	blue	326P154035	326P154045	326P154055
	1.0 - 1.2	red	326P204035	326P204045	326P204055
PA liners with bronze liner for aluminium	0.8 - 1.0	anthracite	328P20403A	328P20404A	328P20405A
					

► = Standard equipment

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





Technical data

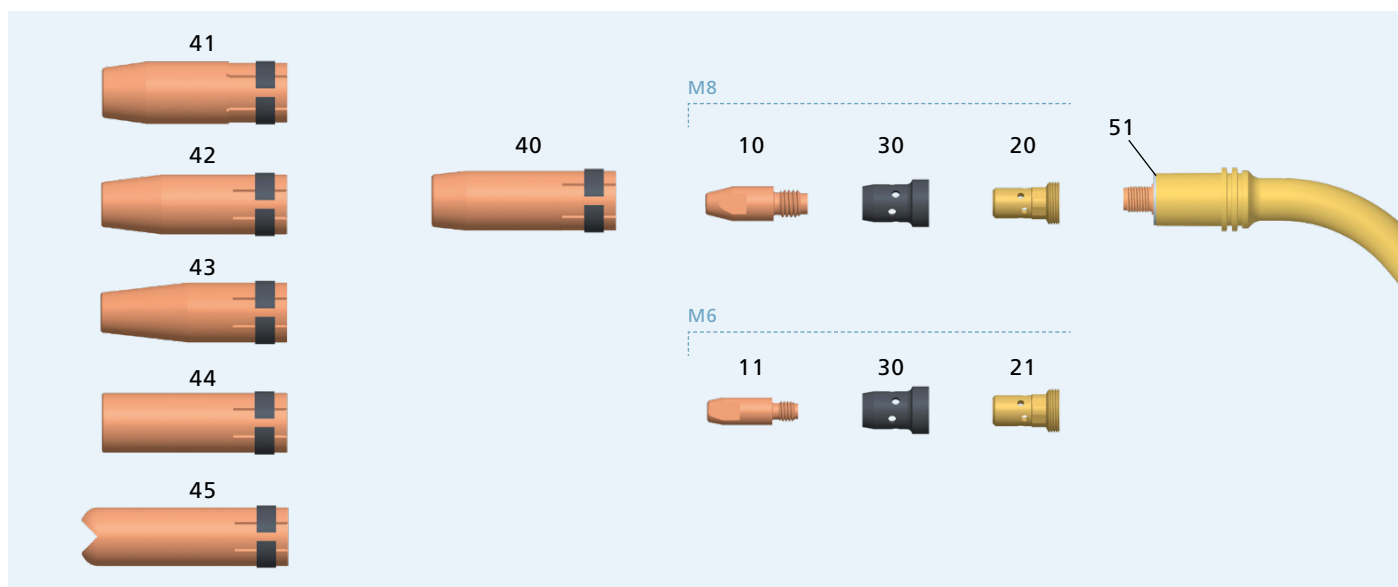
Cooling method	water cooled
Wire diameter	1.0 - 1.6 mm
Gas flow	16 l/min
Technical specification	according to IEC 60974-7

Ordering information for torches

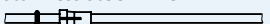
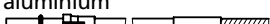
Model	Rating [A] at 100% duty cycle (10 min. cycle) Mixed gas (M21)	Torch with Euro connector	Torch neck
TBi 411 T-Lux	350	133P4810_0*	133P001001
TBi 511 T-Lux	450	134P4810_0*	134P001001

TBi 411 T-Lux equipped for steel wire Ø 1.0 mm, TBi 511 T-Lux equipped for steel wire Ø 1.2 mm.
Liner not insulated (Ø 1.0 - 1.2 mm).

► = Standard equipment
* 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	50	342P008033
	20	for contact tip M8, 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 diffusor	► 30	Thermoset, black	50	130P002026
	—	Ceramik	10	130P002019
Gas nozzles	► 40	NW 16 mm, conical, L= 75.5 mm	10	345P012030
	41	NW 16 mm, conical, L= 75.5 mm, HD	10	345P012032
	42	NW 14 mm, conical, L= 75.5 mm	10	345P013030
	43	NW 12 mm, conical, L= 75.5 mm, only for M6	10	345P016030
	44	NW 20 mm, cylindrical, L= 75.5 mm	10	345P011030
	45	NW 20 mm, spot welding nozzle, L= 85 mm	10	345P015030
Spare parts	51	Insulating washer	10	130P002004
	—	Insulating washer, glas fiber	10	130P002007

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 aluminum 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 	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.





Technical data

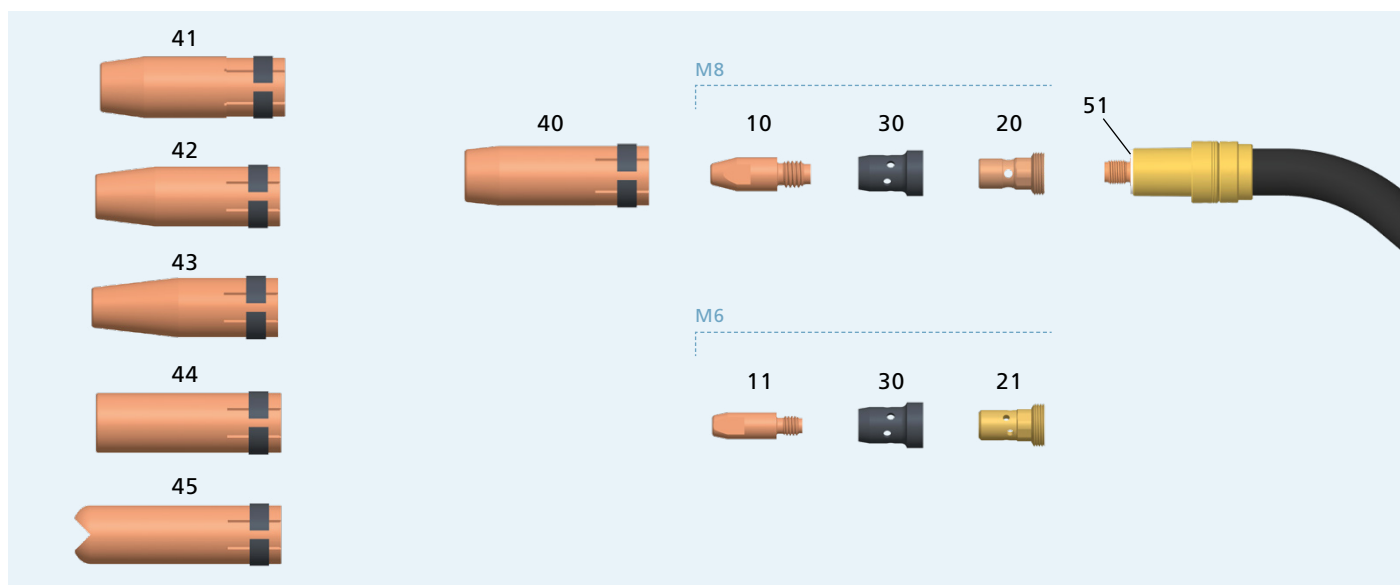
Cooling method	2-circuit water cooled
Wire diameter	1.2 - 1.6 mm
Gas flow	16 l/min
Technical specification	according to IEC 60974-7

Ordering information for torches

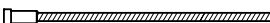
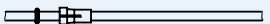
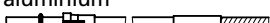
Model	Rating [A] at 100% duty cycle (10 min. cycle) Mixed gas (M21)	Torch with Euro connector	Torch neck
TBi 511-CC T-Lux	500	175P4810_0*	175P101001

Supplied equipped for steel wire Ø 1.2 mm. v (Ø 1.0 - 1.2 mm).

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



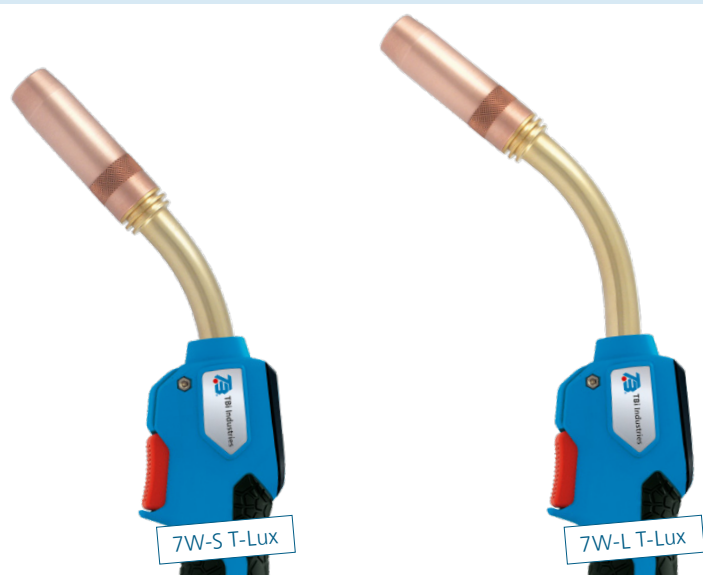
	Pos.	Description	PU	Part no.
Contact tips	► 10	M8x30, ECu	50	340P__1262*
	10	M8x30, CuCrZr	50	340P__3262*
	10	M8x30, Alu, ECu	50	341P__1262*
	11	M6x28, ECu	50	340P__1069*
	11	M6x28, CuCrZr	50	340P__3069*
	11	M6x28, Alu, ECu	50	341P__1069*
Tip holder	► 20	for contact tip M8, CuCrZr	10	342P008171
	20	for 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
	—	Ceramik	10	130P002019
Gas nozzles	► 40	NW 16 mm, conical, L= 75.5 mm	10	345P012030
	41	NW 16 mm, conical, L= 75.5 mm, HD	10	345P012032
	42	NW 14 mm, conical, L= 75.5 mm	10	345P013030
	43	NW 12 mm, conical, L= 75.5 mm, only for M6	10	345P016030
	44	NW 20 mm, cylindrical, L= 75.5 mm	10	345P011030
	45	NW 20 mm, spot welding nozzle, L= 85 mm	10	345P015030
Spare parts	51	Insulator	10	175P102005

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 aluminum 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	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.





Technical data

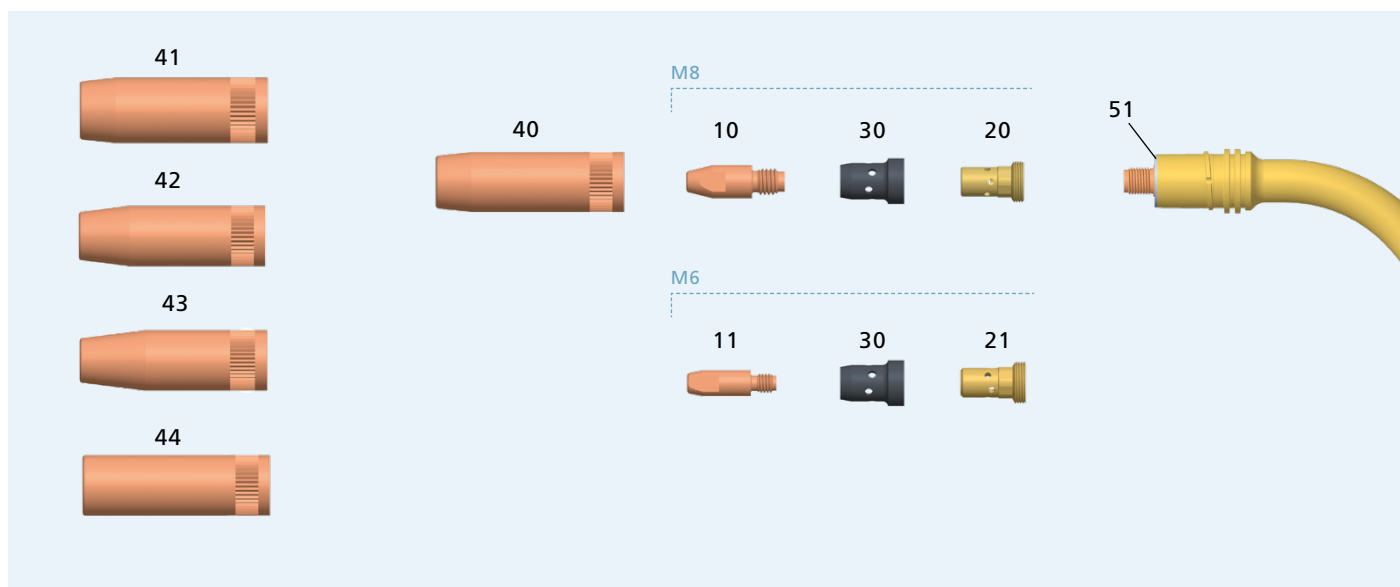
Cooling method	water cooled
Wire diameter	1.0 - 1.6 mm
Gas flow	16 l/min
Technical specification	according to IEC 60974-7

Ordering information for torches

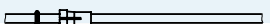
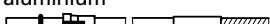
Model	Rating [A] at 100% duty cycle (10 min. cycle) Mixed gas (M21)	Torch with Euro connector	Torch neck
TBi 7W-S T-Lux	450	174P4820_0*	174P101005
TBi 7W-L T-Lux	450	174P48L0_0*	174P101006

Supplied equipped for steel wire Ø 1.0 mm. Liner not insulated (Ø 1.0 - 1.2 mm).

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

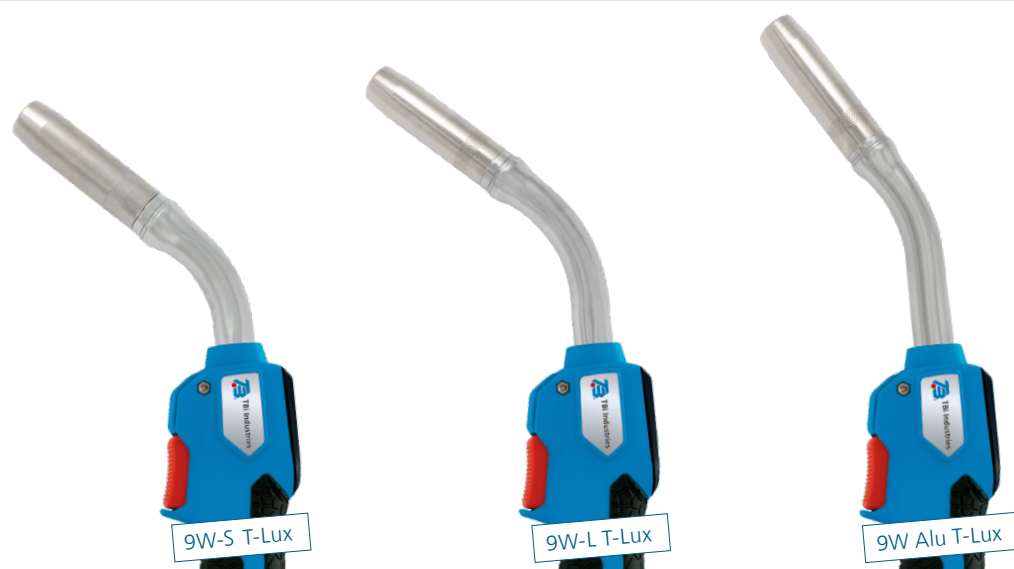


	Pos.	Description	PU	Part no.
Contact tips	► 10	M8x30, ECu	50	340P__1262*
	10	M8x30, CuCrZr	50	340P__3262*
	10	M8x30, Alu, ECu	50	341P__1262*
	11	M6x28, ECu	50	340P__1069*
	11	M6x28, CuCrZr	50	340P__3069*
	11	M6x28, Alu, ECu	50	341P__1069*
Tip holder	► 20	for contact tip M8	50	342P008033
	20	for contact tip M8, CuCrZr	10	342P008171
	20	for contact tip M8, 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
	—	Ceramik	10	130P002019
Gas nozzles	► 40	NW 16 mm, conical, L= 75.5 mm	5	345P022171
	41	NW 16 mm, conical, L= 75.5 mm, HD	5	345P022271
	42	NW 14 mm, conical, L= 75.5 mm	5	345P023171
	43	NW 12 mm, conical, L= 75.5 mm, only for M6	5	345P026171
	44	NW 19 mm, cylindrical, L= 75.5 mm	5	345P021171
Spare parts	51	Insulating washer	10	130P002004
	—	Insulating washer, glas fiber	10	130P002007

Wire guides	Ø	colour	3 m	4 m	5 m
Liners for steel wire	1.0 - 1.2	blank	► 322P204534	► 322P204544	► 322P204554
	1.2 - 1.6	blank	322P254534	322P254544	322P254554
PTFE liners for aluminum 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	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.



Technical data

Cooling method	2-circuit 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) Mixed gas (M21)	equipped with	Torch with Euro connector	Torch neck
TBi 9W-S T-Lux	500	M10 (Pos. 20, 30, 40)	173P4820_0*	173P101002
TBi 9W-L T-Lux	500	M10 (Pos. 20, 30, 40)	173P5820_0*	173P101001
TBi 9W Alu T-Lux	500	M8 (Pos. 22, 30, 40)	173P48B0_0*	173P101003

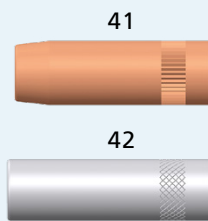
TBi 9W-S / -L Expert Plus equipped for steel wire Ø 1.2 mm. Liner not insulated (Ø 1.0 - 1.2 mm).

TBi 9W Alu Expert Plus equipped for aluminium wire Ø 1.2 mm. PA-Bronze Liner anthracite (Ø 1.2 - 1.6 mm).

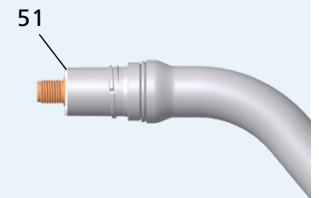
► = Standard equipment

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

Gas nozzles, L= 80.5 mm



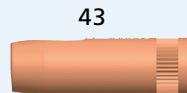
M10



M8



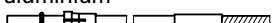
Gas nozzles, L= 75.5 mm



M8



	Pos.	Description	PU	Part no.
Contact tips	► 10	M10x33, ECu	50	340P__1402*
	10	M10x33, CuCrZr	10	343P__3402*
	► 11	M8x30, ECu	50	340P__1262*
	11	M8x30, CuCrZr	50	340P__3262*
	11	M8x30, Alu, ECu, Std. for Alu	50	341P__1262*
Tip holder	► 20	for contact tip M10, CuCrZr,	10	342P010071
	22	for contact tip M8, CuCrZr, Std. for Alu	10	342P008071
	► 21	for contact tip M8	50	342P008033
Nozzle insulator, Gas diffusor	► 30	Glas fiber	10	346P054860
	► 31	Thermoset HD, brown	10	130P002031
	—	Thermoset, black	50	130P002026
	—	Ceramik	10	130P002019
Gas nozzles	► 40	NW 16 mm, conical, L= 80.5 mm, nickel plated	5	345P022173
	41	NW 16 mm, conical, L= 80.5 mm, HD	5	345P922271
	42	NW 19 mm, cylindrical, L= 80.5 mm, nickel plated	5	345P021071
	► 43	NW 16 mm, conical, L= 75.5 mm	5	345P022171
	44	NW 14 mm, conical, L= 75.5 mm	5	345P023171
Spare parts	51	Insulating sleeve	5	171P102021

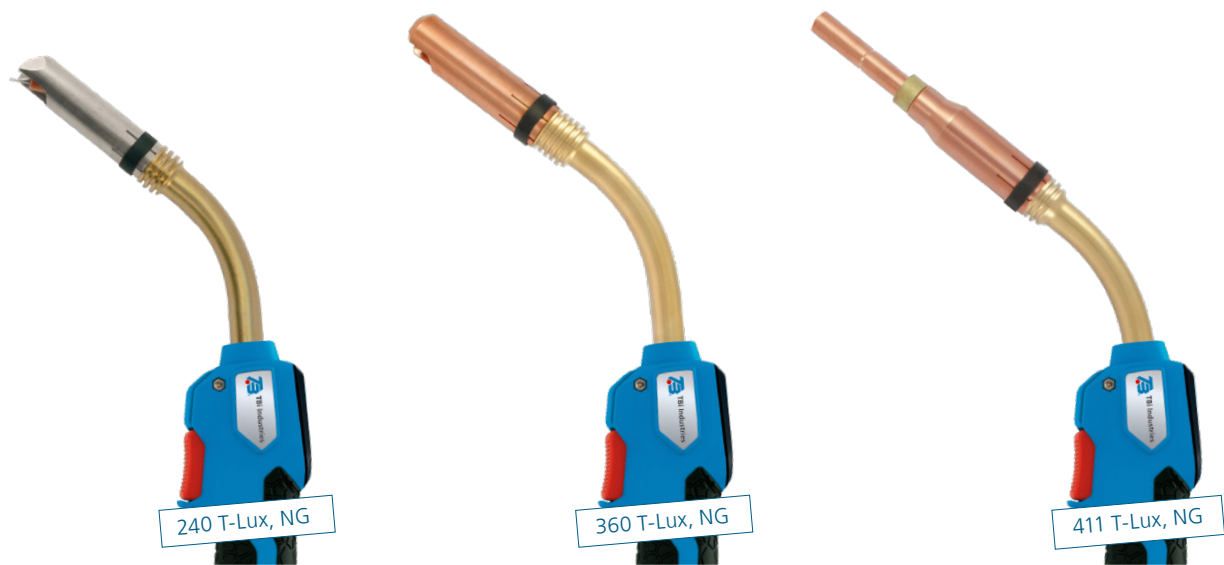
Wire guides	Ø	colour	3 m	4 m	5 m
Liners for steel wire 	1.0 - 1.2	not insul.	► 322P204534	► 322P204544	► 322P204554
	1.2 - 1.6	not insul.	322P254534	322P254544	322P254554
PTFE liners for aluminum and stainless steel wire 	1.0 - 1.2	red	326P204035	326P204045	326P204055
	1.2 - 1.6	yellow	326P274735	326P274745	326P274755
PA liners with bronze liner for aluminium 	0.8 - 1.0	anthracite	328P20403A	328P20404A	328P20405A
	1.2 - 1.6	anthracite	► 328P23473A ¹⁾	► 328P23474A ¹⁾	► 328P23475A ¹⁾

¹⁾Standard for Alu version

► = Standard equipment

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

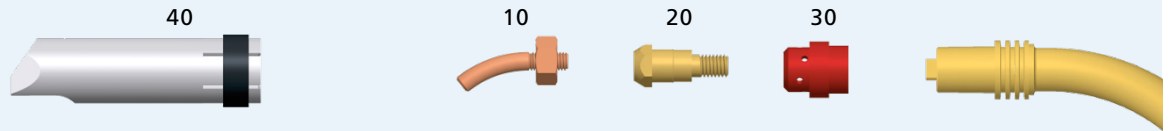




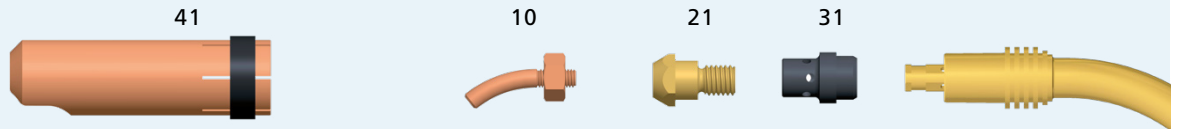
Model	Gas nozzle	
TBi 240 T-Lux	345P118012	
TBi 241 T-Lux		
TBi 260 T-Lux	345P018030	
TBi 360 T-Lux		
TBi 411 / 511 / 511-CC T-Lux	345P051001, 345P051002	
TBi 411 / 511 / 511-CC T-Lux		

Please note: Depending on the application, a reduced torch rating is to be expected.

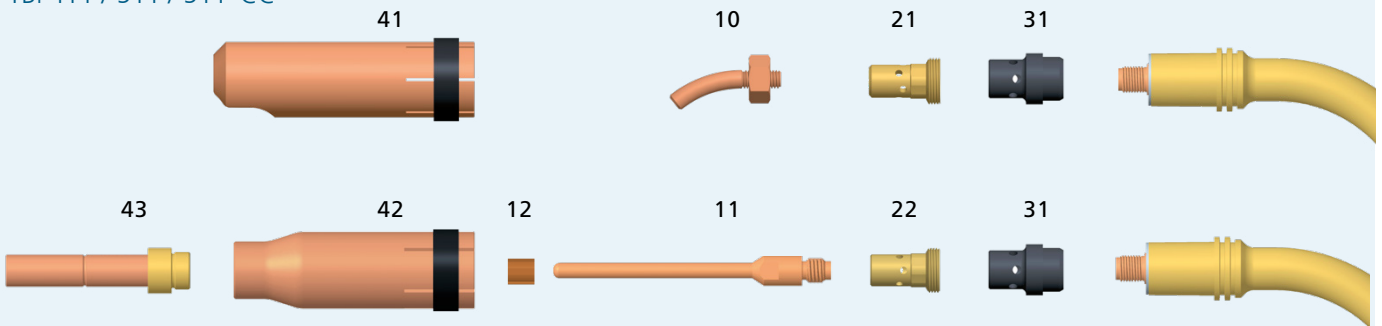
TBi 240 / 241



TBi 260 / 360



TBi 411 / 511 / 511-CC



	Pos.	Description	PU	Part no.
Contact tips	10	M6, ECu (0.9, 1.0, 1.2)	10	340P__S588*
	11	M8, ECu (1.0, 1.2)	5	340P__1286*
	12	Centering star	2	345P051005
Tip holder	20	for contact tip M6	10	342PVE6012
	21	for contact tip M6	10	342PVE6033
	22	for contact tip M8	10	342PVE8033
Gas diffusor	30	Rubber, red	10	112PVE2019
	31	Thermoset, black	10	130PVE2026
Gas nozzles	40	NW 16 mm, L= 78 mm, 30°, nickel plated	1	345P118012
	41	NW 19 mm, L= 84 mm, 45°	1	345P018030
	42	NW 19 mm, L= 75.5 mm	2	345P051001
	43	Extension for narrow gap nozzle, L= 70 mm	2	345P051002

Suitable wire guides can be found on the catalogue page of the corresponding torch model.

* At the blank, please insert suitable information for wire diameter, e.g. 10 for 1.0 mm.



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