



TBi T-Lux Any1 POTENTIOMETER VERSION **MODULAR TIG TORCH SOLUTIONS**



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TBi T-Lux Any1 POTENTIOMETER VERSION

The new TBi T-Lux Any1 series combines the trusted ergonomics and high-quality build of T-Lux torches with a simplified configuration approach.

Instead of multiple interchangeable modules, this version features a soldered-in potentiometer, making it ready to use out of the box.

Key features:

- Ergonomic handle with structured soft grip
- Potentiometer module with optimum positioning of button and wheel
- Pre-configured kits for easy torch installation

This is how flexibility becomes the standard.

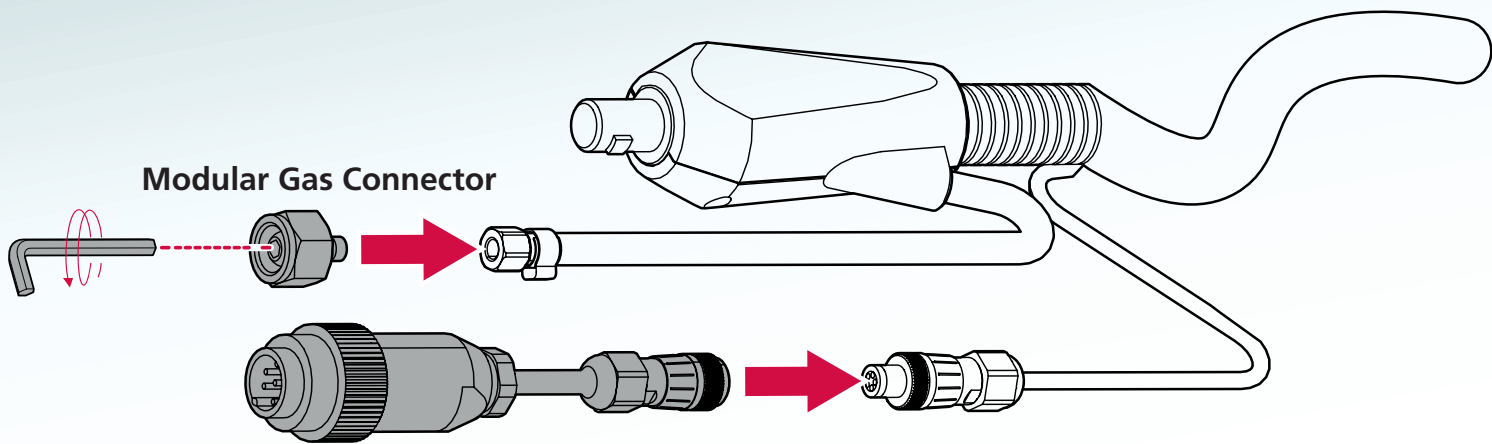


TBi T-Lux Any1 TIG

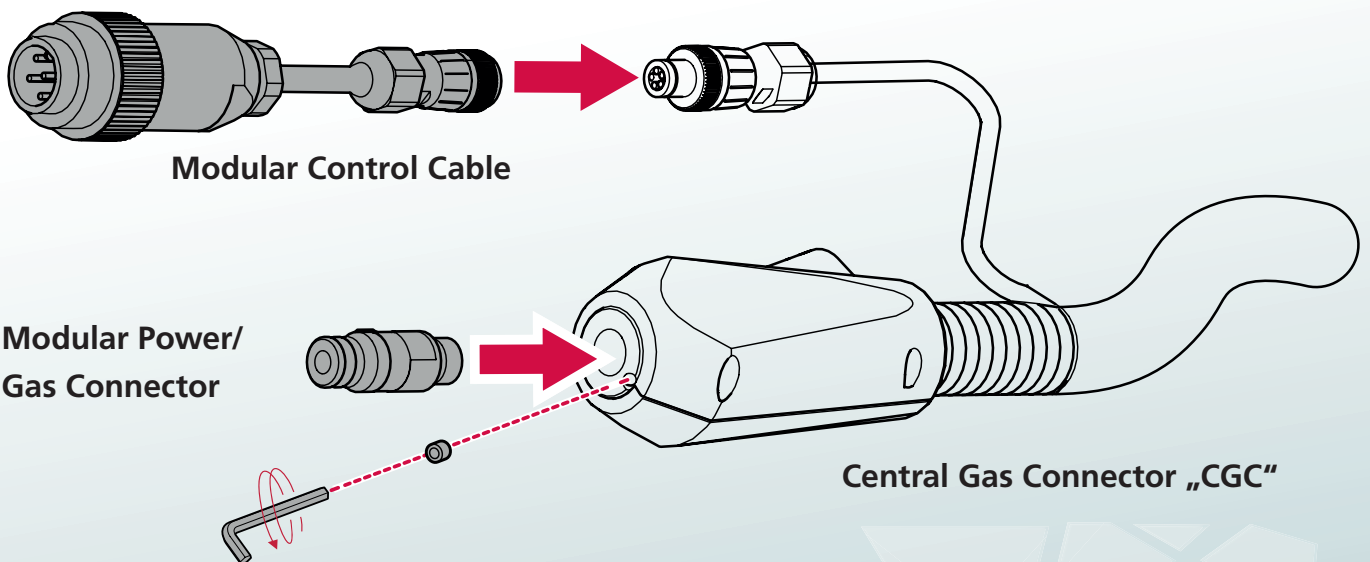
The TBi T-Lux Any1 with built-in potentiometer module:



TSB/OKC Connector



Modular Control Cable



Central Gas Connector „CGC“

GAS-COOLED

OKC/TSB 35/50 (Ø 13 mm)



Central gas connector (CGC)



Type	Length	Part no. OKC/TSB 35/50	Part no. Central gas connector
	4 m	4P6P017004	-
	8 m	4P6P017008	-
	12 m	4P6P017012	-
	16 m	4P6P017016	-
	4 m	4P6P026004	4P7P026004
	8 m	4P6P026008	4P7P026008
	12 m	-	4P7P026012
	16 m	-	4P7P026016
	4 m	4P6PF26004	4P7PF26004
	8 m	4P6PF26008	4P7PF26008
	4 m	4P6P125004	4P7P125004
	8 m	4P6P125008	4P7P125008
	12 m	-	-
	16 m	-	-

WATER-COOLED



	Type	Length	Part no. OKC/TSB 35/50	Part no. Central gas connector
	TBi SR 18 T-Lux Any1	4 m	4P6P018004	-
		8 m	4P6P018008	-
	TBi SR 18 FX T-Lux Any1	4m	4P6PF18004	-
		8m	4P6PF18008	-
	TBi SR 21 T-Lux Any1	4 m	4P6P021004	4P7P021004
		8 m	4P6P021008	4P7P021008
		12 m	4P6P021012	4P7P021012
		16 m	4P6P021016	4P7P021016
	TBi SR 21 FX T-Lux Any1	4 m	4P6PF21004	4P7PF21004
		8 m	4P6PF21008	4P7PF21008
		12 m	4P6PF21012	-
		16 m	4P6PF21016	-
	TBi SR 400 T-Lux Any1	4 m	4P6P400004	-
		8 m	4P6P400008	-
		12 m	-	-
		16 m	-	-
	TBi TM 250 T-Lux Any1	4 m	4P6P250004	4P7P250004
		8 m	4P6P250008	4P7P250008
		12 m	-	-
		16 m	-	-





1. Choose your torch

Select the welding torch that best fits your needs.

Please make sure that you choose the right cable assembly version (OKC or CGC).



2. Pick the right kit

Make sure the kit matches your welding machine model.

We have compiled an overview of compatible manufacturers to help you select the right connector kit for your machine.

Please compare carefully the layout and number of contact poles and the picture of the connector.

7 refers to the number of contact poles.

ESAB	8
Merkle	8
Migatronic	7
Miller	14

7-pole



Compatible with	Torch Type	Gas Connection	Gas	Water	Part No.
Migatronic*	OKC/TSB	Quick Connector (2.5)	■	■	407P001029

8-pole

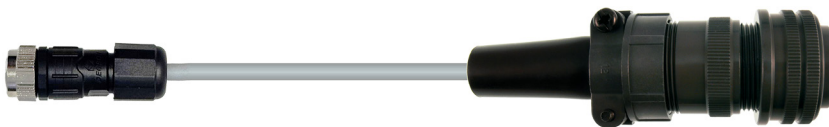


Compatible with	Torch Type	Gas Connection	Gas	Water	Part No.
ESAB	OKC/TSB	Gas nipple & Nut (G1/8")	■	■	407P001026



Compatible with	Torch Type	Gas Connection	Gas	Water	Part No.
Merkle*	CGC	Through Power-Pin	■	■	407P001028

14-pole

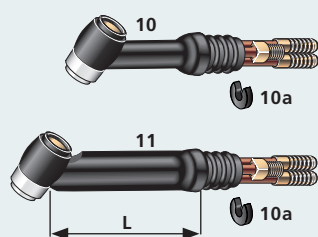


Compatible with	Torch Type	Gas Connection	Gas	Water	Part No.
Miller*	OKC/TSB	Gas nipple & Nut (G3/8")	■	■	407P001031



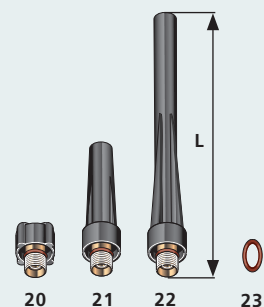
TBi SR 21
T-Lux Any1
water cooled

100% (10 min.)
AC: 240 A
DC: 340 A
Ø 0.5-3.2 mm



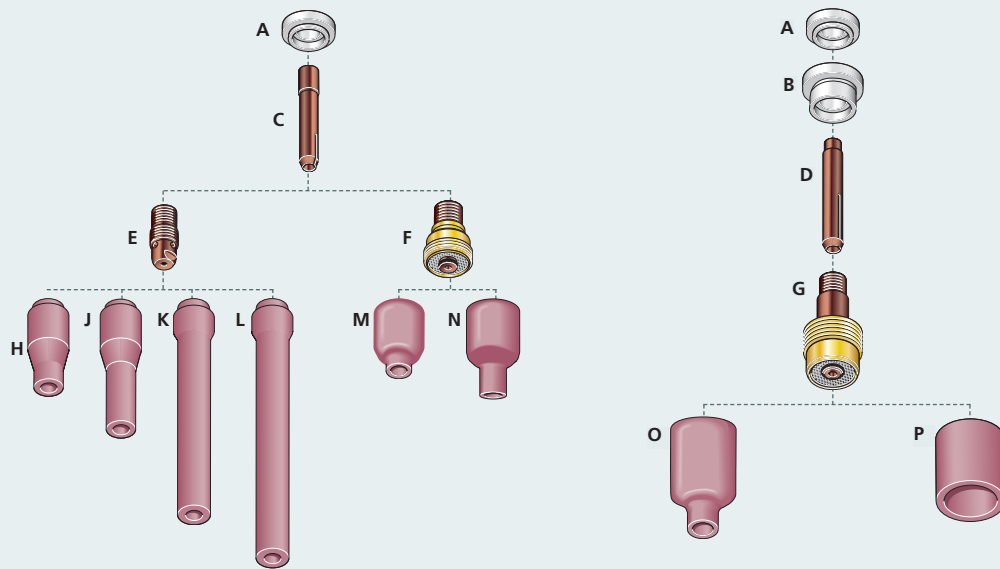
TBi SR 21

TBi SR 21 FX



Spare parts

10	Torch body	SR 21	w/o 401P102015	L = 35 mm		405P210800
10a	Retaining clip	SR 21 (FX)				401P102015
11	Torch body flexible	SR 21 FX	w/o 401P102015	L = 65 mm		403P210700
20	Back cap		short	L = 18 mm	41V33	401P200100
21	Back cap		medium	L = 48 mm	41V35	401P200200
22	Back cap		long	L = 145 mm	41V24	401P200300
23	O-Ring				98W77	365P200046



Consumables

► A	Insulator	598882	402P200900
B	Adapter	Jumbo Gas lens	54N63-20 401P200905

Collets	Ø 0.5 mm Ø 0.020"	Ø 1.0 mm Ø 0.040"	Ø 1.6 mm Ø 1/16"	Ø 2.0 mm	Ø 2.4 mm Ø 3/32"	Ø 3.0 mm	Ø 3.2 mm Ø 1/8"
► C Standard L=25.4 mm	13N20 401P200599	13N21 401P200600	13N22 401P200601	- 401P200604	13N23 401P200602	- 401P200605	13N24 401P200603
D Jumbo L=40.1 mm	-	13N21L 401P13N21L	13N22L 401P13N22L	-	13N23L 401P13N23L	-	13N24L 401P13N24L

Collet bodies	Ø 0.5 - 1.6 mm	Ø 2.0 - 2.4 mm	Ø 3.0 - 3.2 mm
► E L=20.6 mm	13N27 401P201001	13N28 401P201002	13N29 401P201003

Gas lenses	Ø 1.0 mm Ø 0.040"	Ø 1.6 mm Ø 1/16"	Ø 2.0 - 2.4 mm	Ø 3.0 - 3.2 mm
F Standard L=21.5 mm	45V42 401P201300	45V43 401P201301	45V26 401P181301	45V27 401P181302
G Jumbo L=40.5 mm	45V0204S 401P201350	45V116S 401P20135	45V64 401P181352	995795 401P181353

Ceramic nozzles	No. 3 Ø 5.0 mm Ø 3/16"	No. 4 Ø 6.5 mm Ø 1/4"	No. 5 Ø 8.0 mm Ø 5/16"	No. 6 Ø 9.5 mm Ø 3/8"	No. 7 Ø 11 mm Ø 7/16"	No. 8 Ø 12.5 mm Ø 1/2"	No. 10 Ø 16 mm Ø 5/8"	No. 12 Ø 19 mm Ø 3/4"	Ø 24 mm
► H Standard L=30.0 mm	-	13N08 401P201106	13N09 401P201107	13N10 401P201108	13N11 401P201109	13N12 401P201110	13N13 401P201111	-	-
J Standard L, L=48.0 mm	796F70 401P201115	796F71 401P201116	796F72 401P201117	796F73 401P201118	-	-	-	-	-
K Standard XL, L=63.0 mm	-	796F75 401P201126	796F76 401P201127	796F77 401P201128	-	-	-	-	-
L Standard XXL, L=89.0 mm	-	796F79 401P201136	-	-	-	-	-	-	-
M L=25.5 mm	-	53N58 401P201400	53N59 401P201401	53N60 401P201402	53N61 401P201403	53N61S 401P201404	-	401P201409	-
N L, L=35.0 mm	-	53N58L 401P201408	53N59L 401P201405	53N60L 401P201406	53N61L 401P201407	-	-	401P201410	-
O Jumbo L=48.0 mm	-	-	-	57N75 401P201451	-	57N74 401P201452	53N88 401P222250	53N87 401P222251	53N89-L 401P222253
P Jumbo short L=34.0 mm	-	-	-	-	-	-	-	-	53N89 401P222252



TBi SR 17
T-Lux Any1
gas cooled

35% (10 min.)
AC: 120 A
DC: 170 A
Ø 0.5-2.4 mm



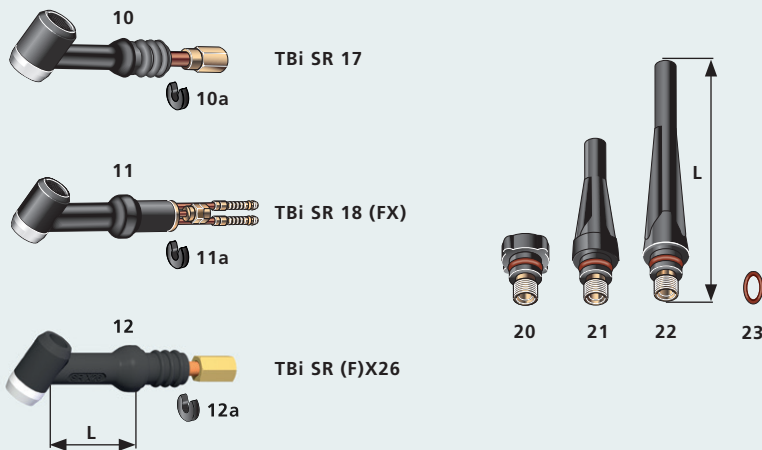
TBi SR X26
T-Lux Any1
gas cooled

35% (10 min.)
AC: 180 A
DC: 260 A
Ø 0.5-4.0 mm



TBi SR 18
T-Lux Any1
water cooled

100% (10 min.)
AC: 225 A
DC: 320 A
Ø 0.5-4.0 mm

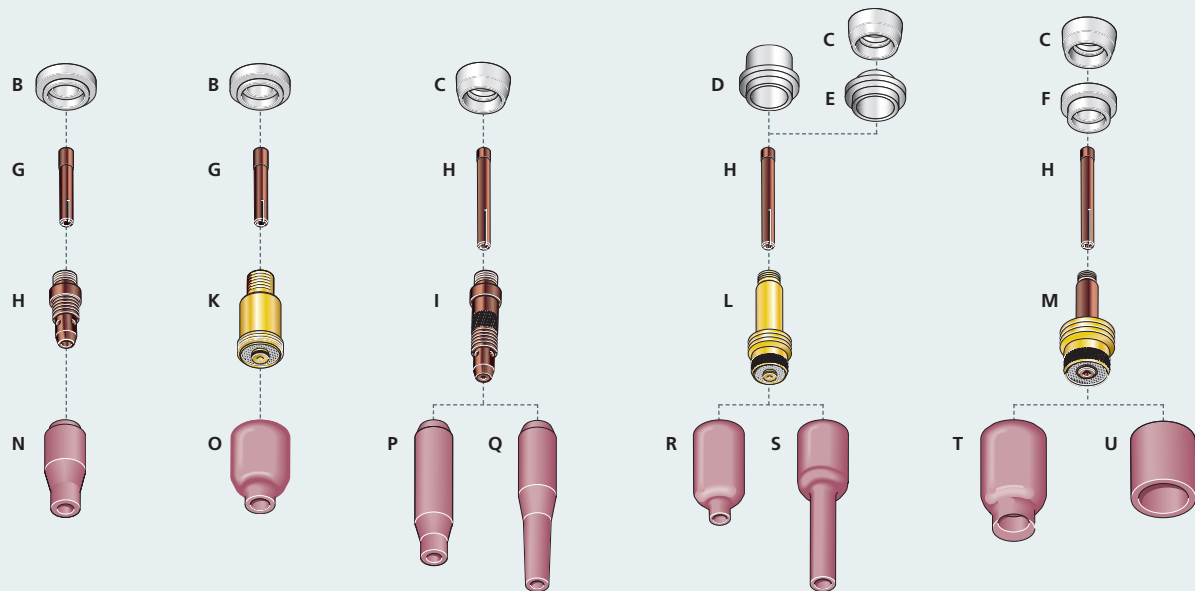


Spare parts

10	Torch body	SR 17	w/o 401P102014	L = 50 mm		405P170700
10a	Retaining clip	SR 17				401P102014
11	Torch body	SR 18	w/o 401P102016	L = 50 mm		405P180702
11	Torch body flexible	SR 18 FX	w/o 401P102016	L = 50 mm		403P180702
11a	Retaining clip	SR 18 (FX)				401P102016
12	Torch body	SR X26	w/o 401P102019	L = 52 mm		405PX26700
12	Torch body flexible	SR FX26	w/o 401P102019	L = 52 mm		403PX26700
12a	Retaining clip	SR (F)X26				401P102019
20	Back cap		short	L = 24 mm	57Y04	402P170100
21	Back cap		medium	L = 58 mm	57Y05	402P170150
22	Back cap		long	L = 140 mm	57Y02	402P170200
23	O-Ring				98W18	365P200096

Consumables

B	Insulator	Gas lens, small	-	402P956100
C	Insulator		18CG	403P171000
D	Insulator	Gas lens	54N01-TBi	401P181100
E	Insulator	Gas lens	54N01	401P171000
F	Adapter	Jumbo Gas lens	54N63	401P171105



Collets		Ø 0.5 mm Ø 0.020"	Ø 1.0 mm Ø 0.040"	Ø 1.6 mm Ø 1/16"	Ø 2.0 mm	Ø 2.4 mm Ø 3/32"	Ø 3.0 mm	Ø 3.2 mm Ø 1/8"	Ø 4.0 mm Ø 5/32"
► G	short L=29.3 mm	-	10N22S 402P10N22S	10N23S 402P10N23S	-	10N24S 402P10N24S	-	10N25S 402P10N25S	-
	Standard L=50.0 mm	10N21 402P170499	10N22 402P170500	10N23 402P170502	402P170506	10N24 402P170503	402P170507	10N25 402P170504	54N20 402P170505

Collet bodies		Ø 1.0 - 1.6 mm		Ø 2.0 - 2.4 mm		Ø 3.0 - 3.2 mm		Ø 4.0 mm	
I	short L=24.5 mm	17CB22 402P17CB22		17CB23 402P17CB23		17CB24 402P17CB24			
	Standard L=47.0 mm	10N31 401P180999		10N32 401P181000		10N28 401P181001		406488 401P181002	

Gas lenses		Ø 1.0 mm Ø 0.040"	Ø 1.6 mm Ø 1/16"	Ø 2.0 mm	Ø 2.4 mm Ø 3/32"	Ø 3.0 mm	Ø 3.2 mm Ø 1/8"	Ø 4.0 mm Ø 5/32"
K	short L=27.0 mm	-	-	-	-	-	-	-
		402P956048	402P956049		402P956050		402P956051	
		Ø 1.0 - 1.6 mm		Ø 2.0 - 2.4 mm		Ø 3.0 - 3.2 mm		Ø 4.0 mm
L	Standard L=50.0 mm	45V25 401P181300		45V26 401P181301		45V27 401P181302		45V28 401P181303
	M Jumbo L=50.0 mm	45V116 401P181351		45V64 401P181352		995795 401P181353		45V63 401P181354

Ceramic nozzles		No. 4 Ø 6.5 mm Ø 1/4"	No. 5 Ø 8.0 mm Ø 5/16"	No. 6 Ø 9.5 mm Ø 3/8"	No. 7 Ø 11 mm Ø 7/16"	No. 8 Ø 12.5 mm Ø 1/2"	No. 10 Ø 16 mm Ø 5/8"	No. 11 Ø 17.5 mm Ø 11/16"	No. 12 Ø 19 mm Ø 3/4"	Ø 24.0 mm
N	short L=30.0 mm	13N08 401P201106	13N09 401P201107	13N10 401P201108	13N11 401P201109	13N12 401P201110	13N13 401P201111	-	-	-
	O short L=25.5 mm	53N58 401P201400	53N59 401P201401	53N60 401P201402	53N61 401P201403	53N61S 401P201404	-	-	-	-
P	Standard L=47.0 mm	10N50 401P170907	10N49 401P170908	10N48 401P170909	10N47 401P170910	10N46 401P170911	10N45 401P170912	-	10N44 401P170913*	-
	► Q Standard L L=76.0 mm	10N50L 401P170923	10N49L 401P170914	10N48L 401P170915	10N47L 401P170916	-	-	-	-	-
R	L=42.0 mm	54N18 401P222200	54N17 401P222201	54N16 401P222202	54N15 401P222203	54N14 401P222204	-	54N19 401P222206	-	-
	S L, L=76.0 mm	54N18 L 401P222211	54N17 L 401P222207	54N16 L 401P222208	54N15 L 401P222209	54N14 L 401P222210	-	-	-	-
T	Jumbo L=48.0 mm	-	-	57N75 401P201451	-	57N74 401P201452	53N88 401P222250	-	53N87 401P222251	53N89-L 401P222253
	U Jumbo, short L=34.0 mm	-	-	-	-	-	-	-	-	53N89 401P222252

► = Standard

* L=50.0 mm


TBi SR 400
T-Lux Any1

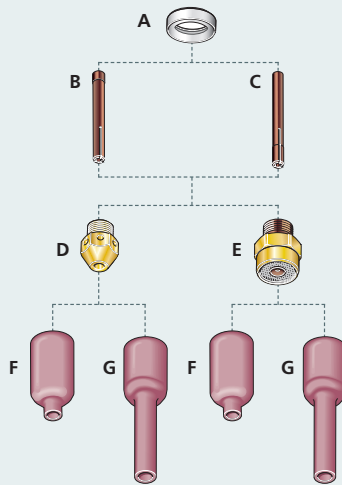
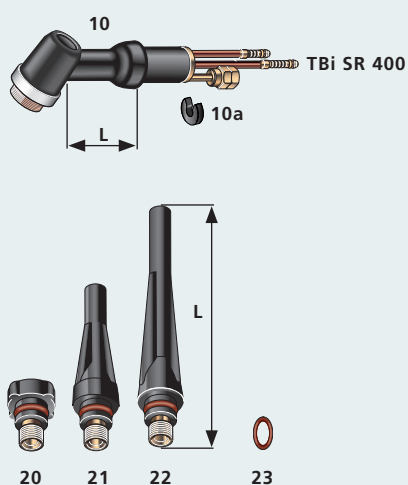
water cooled

100% (10 min.)

AC: 315 A

DC: 450 A

Ø 1.6-4.0 mm


Spare parts and Consumables

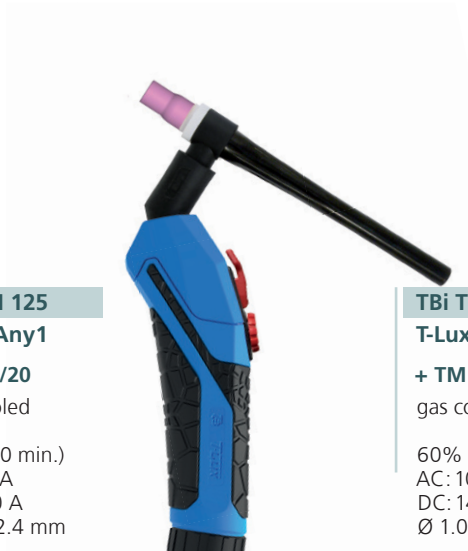
10	Torch body	SR 400	w/o 401P102016	L = 50 mm	405P400802
10a	Retaining clip	SR 400			401P102016
20	Back cap		short	L = 24 mm	402PX40600
21	Back cap		medium	L = 58 mm	402PX40650
22	Back cap		long	L = 140 mm	402PX40700
23	O-Ring				365P200096
A	Insulator				401PX40700

Collets		Ø 1.0 mm Ø 0.040"	Ø 1.6 mm Ø 1/16"	Ø 2.4 mm Ø 3/32"	Ø 3.2 mm Ø 1/8"	Ø 4.0 mm Ø 5/32"	Ø 4.8 mm Ø 3/16"
► B	L=50.0 mm	10N22 402P170500	10N23 402P170502	10N24 402P170503	10N25 402P170504	54N20 402P170505	-
C	L=50.0 mm, Heavy duty	-	-	-	10N25HD 405P400504	54N20HD 405P400505	18C36 405P400506

Collet bodies		Ø 1.0-3.2 mm			Ø 3.2-4.8 mm	
D	Standard L=47.0 mm	-	405P401000	-	-	405P401001

Gas lenses		Ø 1.0 mm Ø 0.040"	Ø 1.6 mm Ø 1/16"	Ø 2.4 mm Ø 3/32"	Ø 3.2 mm Ø 1/8"	Ø 4.0 mm Ø 5/32"	Ø 4.8 mm Ø 3/16"
E	L=50.0 mm	18GL04 405P401301	18GL16 405P401302	18GL32 405P401303	18GL18 405P401304	18GL53 405P401305	18GL36 405P401306

Ceramic nozzles		No. 4 Ø 6.5 mm Ø 1/4"	No. 5 Ø 8.0 mm Ø 5/16"	No. 6 Ø 9.5 mm Ø 3/8"	No. 7 Ø 11 mm Ø 7/16"	No. 8 Ø 12.5 mm Ø 1/2"	No. 11 Ø 17.5 mm Ø 11/16"
► F	L=42.0 mm	54N18 401P222200	54N17 401P222201	54N16 401P222202	54N15 401P222203	54N14 401P222204	54N19 401P222206
G	L, L=76.0 mm	54N18 L 401P222211	54N17 L 401P222207	54N16 L 401P222208	54N15 L 401P222209	54N14 L 401P222210	-



**TBi TM 125
T-Lux Any1**

+ TM 9/20
gas cooled

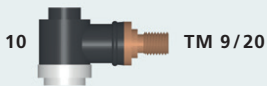
60% (10 min.)
AC: 80 A
DC: 110 A
Ø 0.5-2.4 mm



**TBi TM 125
T-Lux Any1**

+ TM 17/18/26
gas cooled

60% (10 min.)
AC: 100 A
DC: 140 A
Ø 1.0-2.4 mm



Spare parts and Consumables

▶ 10	Torch head	TM	9/20	402P550002
11	Torch head	TM	17/18/26	402P550003
12	Spring			402P550004
13	Torch body	TM 125	w/o 401P102014	402P550001
13a	Retaining clip			401P102014
15	Front insert			402P600015



Combined with Standard TBi wear parts.



TBi TM 250 T-Lux Any1

+ TM 9/20
water cooled

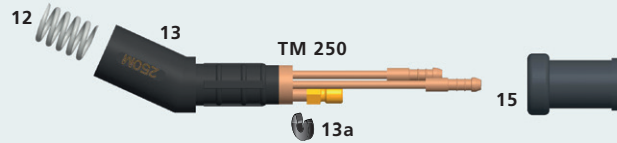
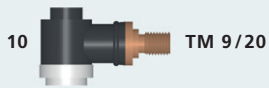
100% (10 min.)
AC: 160 A
DC: 220 A
Ø 0.5-3.2 mm



TBi TM 250 T-Lux Any1

+ TM 17/18/26
water cooled

100% (10 min.)
AC: 225 A
DC: 320 A
Ø 1.0-4.0 mm



Spare parts and Consumables

► 10	Torch head	TM	9/20	402P550002
11	Torch head	TM	17/18/26	402P550003
12	Spring			402P550004
13	Torch body	TM 250	w/o 401P102015	402P600001
13a	Retaining clip			401P102015
15	Front insert			402P600015



Combined with Standard TBi wear parts.





Ready for tomorrow.

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