TBi Industries

OVERVIEW **TBi B-Series**
MIG TORCHES GAS & WATER COOLED



TBi B-SERIES MIG/MAG



Gas cooled TBi B-Series

Reliable, market standard MIG torches designed for everyday performance.

- Handle with soft grip zones for optimal grip
- Ball joint ensures smooth torch positioning
- Flexible rubber strain relief protects the cable and extends service life
- Reliable, market standard consumables

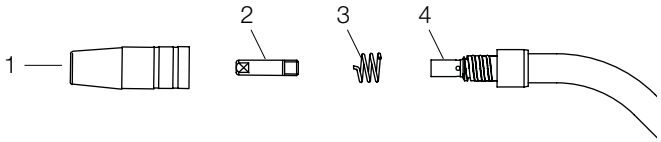
Ordering information

Description		3 m	4 m	5 m	Connector
	TBi B150	102P3H1030	102P3H1040	102P3H1050	Euro
	TBi B240	112P3H1030	112P3H1040	112P3H1050	
	TBi B250	104P3H1030	104P3H1040	104P3H1050	
	TBi B360	114P3H1030	114P3H1040	114P3H1050	

Specifications

Description	Welding Output Mixed Gas at 60%	Wire Diameter Ø [mm]	Bend	Cooling	Certification Mark (Standards)	Operating Temperature
TBi B150	150 A	0.6 – 1.0	45°	Gas	CE (IEC 60974-7)	-10 to +40 °C
TBi B240	220 A	0.8 – 1.2	45°			
TBi B250	200 A	0.8 – 1.2	45°			
TBi B360	280 A	1.0 – 1.6	45°			

TBi B150



	No.	Gas nozzles			
▶	1	NW 12	conical	L= 54.0 mm	345P012002
	-	NW 12, long insulation	conical	L= 53.0 mm	345P012402
	-	NW 9.5	conical	L= 53.0 mm	345P013002
	-	NW 16, long insulation	cylindrical	L= 53.0 mm	345P011402
	-	NW 12.5	bottle form	L= 53.0 mm	345P014002
	-	NW 16, long insulation	spot welding nozzle	L= 60.0 mm	345P015402
	-	NW 6.5, for self shielding wire	conical	L= 43.5 mm	345P012953

Wear Parts - Contact Tips

	No.	Material	Ø [mm]	M6x25	M6x28	M8x30	M10x33
	2	ECu	0.8	▶340P081073	-	-	-
			1.0	340P101073	-	-	-
▶			1.2	340P121073	-	-	-
			1.4	-	-	-	-
			1.6	-	-	-	-
	2	CuCrZr	0.8	340P083073	-	-	-
			1.0	340P103073	-	-	-
			1.2	340P123073	-	-	-
			1.4	-	-	-	-
			1.6	-	-	-	-
	2	ECu Alu	0.8	341P081073	-	-	-
			1.0	341P101073	-	-	-
			1.2	341P121073	-	-	-
			1.4	-	-	-	-
			1.6	-	-	-	-

	No.	Nozzle spring	
▶	3	Nozzle spring TBi 150	102P002011

No.	Nozzle holder	
4	Nozzle holder TBi 150 without spring	102P002037

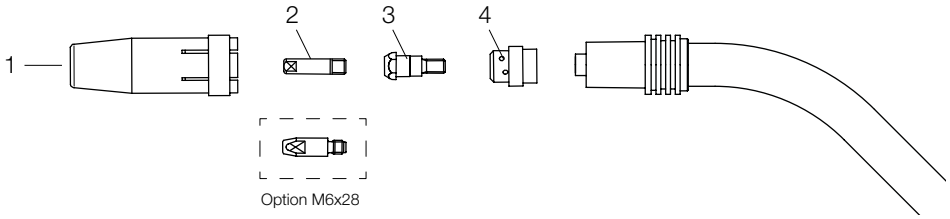
Wear Parts - Liners

	Description	Color	Wire Ø [mm]	3 m	4 m	5 m
	Steel liner, Insulated	White	0.6 - 0.9	324P133834	324P133844	324P133854
▶	Steel liner, Insulated	Blue	0.8 - 1.0	324P154534	324P154544	324P154554
	PA/Bronze liner - Alu & Stainless	Anthracite	0.8 - 1.0	328P20403A	328P20404A	328P20405A
	PTFE/Bronze liner - Alu	Blue	0.8 - 1.0	326P15403A	326P15404A	326P15405A

For complete list of wear and spare parts please see separate manual or spare parts list.

▶ Standard

TBi B240



	No.	Gas nozzles			
▶	1	NW 12.5	conical	L= 63.5 mm	345P012012
	-	NW 12.5 HD	conical	L= 63.5 mm	345P012312
	-	NW 10, only for M6x25	conical	L= 63.5 mm	345P013012
	-	NW 17	cylindrical	L= 63.5 mm	345P011012
	-	NW 17 HD	cylindrical	L= 63.5 mm	345P011312
	-	NW 17	spot welding nozzle	L= 68.0 mm	345P015012

Wear Parts - Contact Tips

	No.	Material	Ø [mm]	M6x25	M6x28	M8x30	M10x33
	2	ECu	0.8	340P081073	340P081069	-	-
			1.0	▶ 340P101073	340P101069	-	-
▶			1.2	340P121073	340P121069	-	-
			1.4	-	340P141069	-	-
			1.6	-	340P161069	-	-
	2	CuCrZr	0.8	340P083073	340P083069	-	-
			1.0	340P103073	340P103069	-	-
			1.2	340P123073	340P123069	-	-
			1.4	-	340P143069	-	-
			1.6	-	340P163069	-	-
	2	ECu Alu	0.8	341P081073	341P081069	-	-
			1.0	341P101073	341P101069	-	-
			1.2	341P121073	341P121069	-	-
			1.4	-	341P141069	-	-
			1.6	-	341P161069	-	-

	No.	Tip holder	
▶	3	M6, L= 26 mm	342P006012

	No.	Gas diffusors	
▶	4	Rubber, red	112P002019
	4	Thermoset, black	112P002024
	4	Ceramic	112P002021

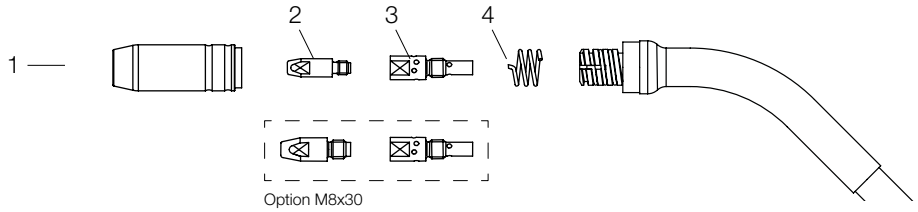
Wear Parts - Liners

	Description	Color	Wire Ø [mm]	3 m	4 m	5 m
	Steel liner, Insulated	Blue	0.8 - 1.0	324P154534	324P154544	324P154554
▶	Steel liner, Insulated	Red	1.0 - 1.2	324P204534	324P204544	324P204554
	PA/Bronze liner - Alu & Stainless	Anthracite	0.8 - 1.0	328P20403A	328P20404A	328P20405A
	PTFE/Bronze liner - Alu	Blue	0.8 - 1.0	326P15403A	326P15404A	326P15405A
	PTFE/Bronze liner - Alu	Red	1.0 - 1.2	326P20403A	326P20404A	326P20405A

For complete list of wear and spare parts please see separate manual or spare parts list.

▶ Standard

TBi B250



	No.	Gas nozzles			
▶	1	NW 15	conical	L= 56.8 mm	345P012003
	-	NW 15, long insulation	conical	L= 56.8 mm	345P012303
	-	NW 11, only for M6	conical	L= 56.2 mm	345P013003
	-	NW 20, long insulation	cylindrical	L= 56.2 mm	345P011303
	-	NW 14	bottle form	L= 56.2 mm	345P014003
	-	NW 11, only for M6	bottle form	L= 56.2 mm	345P014303
	-	NW 18, long insulation	spot welding nozzle	L= 66.7 mm	345P015503

Wear Parts - Contact Tips

	No.	Material	Ø [mm]	M6x25	M6x28	M8x30	M10x33
	2	ECu	0.8	-	340P081069	340P081262	-
			1.0	-	▶ 340P101069	340P101262	-
▶			1.2	-	340P121069	340P121262	-
			1.4	-	340P141069	340P141262	-
			1.6	-	340P161069	340P161262	-
	2	CuCrZr	0.8	-	340P083069	340P083262	-
			1.0	-	340P103069	340P103262	-
			1.2	-	340P123069	340P123262	-
			1.4	-	340P143069	340P143262	-
			1.6	-	340P163069	340P163262	-
	2	ECu Alu	0.8	-	341P081069	341P081262	-
			1.0	-	341P101069	341P101262	-
			1.2	-	341P121069	341P121262	-
			1.4	-	341P141069	341P141262	-
			1.6	-	341P161069	341P161262	-

	No.	Tip holder	
▶	3	M6, L= 35 mm	342P006003
	3	M8, L= 35 mm	342P008003

	No.	Nozzle spring	
▶	4	Nozzle spring TBi 250	103P002006

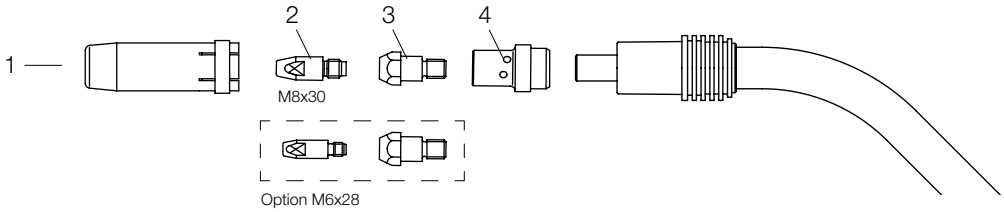
Wear Parts - Liners

	Description	Color	Wire Ø [mm]	3 m	4 m	5 m
	Steel liner, Insulated	Blue	0.8 - 1.0	324P154534	324P154544	324P154554
▶	Steel liner, Insulated	Red	1.0 - 1.2	324P204534	324P204544	324P204554
	PA/Bronze liner - Alu & Stainless	Anthracite	0.8 - 1.0	328P20403A	328P20404A	328P20405A
	PTFE/Bronze liner - Alu	Blue	0.8 - 1.0	326P15403A	326P15404A	326P15405A
	PTFE/Bronze liner - Alu	Red	1.0 - 1.2	326P20403A	326P20404A	326P20405A

For complete list of wear and spare parts please see separate manual or spare parts list.

▶ Standard

TBi B360



	No.	Gas nozzles			
▶	1	NW 16	conical	L= 83.5 mm	345P312010
-		NW 12	conical	L= 83.5 mm	345P013010
-		NW 20	cylindrical	L= 83.5 mm	345P011010
-		NW 20	spot welding nozzle	L= 90.0 mm	345P015010

Wear Parts - Contact Tips

	No.	Material	Ø [mm]	M6x25	M6x28	M8x30	M10x33
	2	ECu	0.8	-	340P081069	340P081262	-
			1.0	-	340P101069	340P101262	-
▶			1.2	-	340P121069	▶340P121262	-
			1.4	-	340P141069	340P141262	-
			1.6	-	340P161069	340P161262	-
	2	CuCrZr	0.8	-	340P083069	340P083262	-
			1.0	-	340P103069	340P103262	-
			1.2	-	340P123069	340P123262	-
			1.4	-	340P143069	340P143262	-
			1.6	-	340P163069	340P163262	-
	2	ECu Alu	0.8	-	341P081069	341P081262	-
			1.0	-	341P101069	341P101262	-
			1.2	-	341P121069	341P121262	-
			1.4	-	341P141069	341P141262	-
			1.6	-	341P161069	341P161262	-

	No.	Tip holder	
	3	M6, L= 28 mm	342P006014
	3	M6, L= 32 mm	342P006114
▶	3	M8, L= 28 mm	342P008014
	3	M8, L= 34 mm	342P008114

	No.	Gas diffusors	
▶	4	Thermoset, black	114P002007
	4	Thermoset HD, brown	114P002011
	4	Ceramic	114P002005

Wear Parts - Liners

	Description	Color	Wire Ø [mm]	3 m	4 m	5 m
▶	Steel liner, Insulated	Red	1.0 - 1.2	324P204534	324P204544	324P204554
	Steel liner, Insulated	Yellow	1.2 - 1.6	324P254534	324P254544	324P254554
	PA/Bronze liner - Alu & Stainless	Anthracite	0.8 - 1.0	328P20403A	328P20404A	328P20405A
	PA/Bronze liner - Alu & Stainless	Anthracite	1.2 - 1.6	328P23473A	328P23474A	328P23475A
	PTFE/Bronze liner - Alu	Red	1.0 - 1.2	326P20403A	326P20404A	326P20405A
	PTFE/Bronze liner - Alu	Yellow	1.2 - 1.6	326P27473A	326P27474A	326P27475A

For complete list of wear and spare parts please see separate manual or spare parts list.

▶ Standard

TBi B-SERIES MIG/MAG



Water cooled TBi B-Series

Reliable, market standard MIG torches designed for everyday performance.

- Handle with soft grip zones for optimal grip
- Ball joint ensures smooth torch positioning
- Flexible rubber strain relief protects the cable and extends service life
- Reliable, market standard consumables

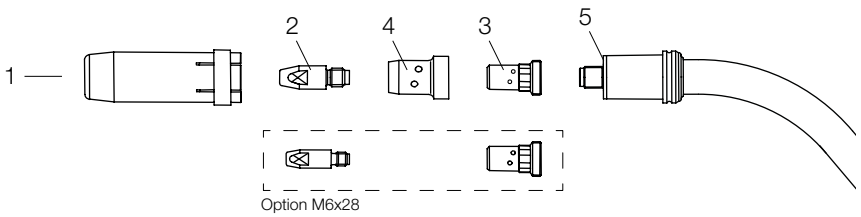
Ordering information

Description		3 m	4 m	5 m	Connector
	TBi B411	133P3H1030	133P3H1040	133P3H1050	Euro
	TBi B511	134P3H1030	134P3H1040	134P3H1050	

Specifications

Description	Welding Output Mixed Gas at 100%	Wire Diameter Ø [mm]	Bend	Cooling	Certification Mark (Standards)	Operating Temperature
TBi B411	350 A	1.0 – 1.6	50°	Water	CE (IEC 60974-7)	-10 to +40 °C
TBi B511	450 A	1.0 – 1.6	50°			

TBi B411 / TBi B511



	No.	Gas nozzles			
▶	1	NW 16	conical	L= 75.5 mm	345P312030
	-	NW 16 HD	conical	L= 75.5 mm	345P012032
	-	NW 14	conical	L= 75.5 mm	345P013030
	-	NW 12, only for M6	conical	L= 75.5 mm	345P016030
	-	NW 20	cylindrical	L= 75.5 mm	345P011030
	-	NW 20	spot welding nozzle	L= 85.0 mm	345P015030

Wear Parts - Contact Tips

	No.	Material	Ø [mm]	M6x25	M6x28	M8x30	M10x33
	2	ECu	0.8	-	340P081069	340P081262	-
			1.0	-	340P101069	■340P101262	-
▶			1.2	-	340P121069	□340P121262	-
			1.4	-	340P141069	340P141262	-
			1.6	-	340P161069	340P161262	-
	2	CuCrZr	0.8	-	340P083069	340P083262	-
			1.0	-	340P103069	340P103262	-
			1.2	-	340P123069	340P123262	-
			1.4	-	340P143069	340P143262	-
			1.6	-	340P163069	340P163262	-
	2	ECu Alu	0.8	-	341P081069	341P081262	-
			1.0	-	341P101069	341P101262	-
			1.2	-	341P121069	341P121262	-
			1.4	-	341P141069	341P141262	-
			1.6	-	341P161069	341P161262	-

	No.	Tip holder	
	3	M6, L= 25 mm	342P006033
	3	M6, L= 29 mm	342P006133
▶	3	M8, L= 25 mm	342P008033
	3	M8, L= 29 mm	342P008133

	No.	Gas diffusor	
▶	4	Thermoset, black	130P002026
	4	Thermoset HD, Brown	130P002031
	4	Ceramic	130P002019

	No.	Insulator	
▶	5	Insulator	130P002004

Wear Parts - Liners

	Description	Color	Wire Ø [mm]	3 m	4 m	5 m
▶	Steel liner	not insul.	1.0 - 1.2	322P204534	322P204544	322P204554
	Steel liner	not insul.	1.4 - 1.6	322P254534	322P254544	322P254554
	PA/Bronze liner - Alu & Stainless	Anthracite	0.8 - 1.0	328P20403A	328P20404A	328P20405A
	PA/Bronze liner - Alu & Stainless	Anthracite	1.2 - 1.6	328P23473A	328P23474A	328P23475A
	PTFE liner - Alu	Red	1.0 - 1.2	326P204035	326P204045	326P204055
	PTFE liner - Alu	Yellow	1.2 - 1.6	326P274735	326P274745	326P274755

For complete list of wear and spare parts please see separate manual or spare parts list.

■ Standard 411 □ Standard 511 ▶ Standard

Ready for tomorrow .

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