

EXPERTIG



EXPERTIG [en]

The new EXPERTIG handle is the result of a study of balanced weight, necessary to be able to weld easily and effortlessly.

The EXPERTIG range includes air- and water-cooled torches from 110 to 320 Amps (DC).

EXPERTIG comes as standard with TSK plugs.

The EXPERTIG torch series offers two different handle sizes.

With the EXPERTIG switch variations you can find the perfect match to your welding machine.

Thanks to the four different PC board options, the EXPERTIG torch can be quickly configured to your machine. The removal and changing of the switch take few seconds.

visit **trafimet.com**
for more details about the products.



TIG welding torches

EXPERTIG [it]

La nuova impugnatura EXPERTIG è il risultato di uno studio del peso bilanciato, necessario per poter saldare facilmente e senza sforzo. La gamma EXPERTIG include torce raffreddate ad aria e ad acqua da 110-320 A (DC). Le torce EXPERTIG vengono fornite di serie con le spine TSK.

La serie di torce EXPERTIG offre due diverse dimensioni per l'impugnatura. Le varianti di interruttori EXPERTIG ti consentono di trovare l'abbinamento perfetto per la tua saldatrice. Grazie alle quattro diverse opzioni di scheda PCB, puoi configurare rapidamente la torcia EXPERTIG sulla tua macchina. La rimozione e la sostituzione dell'interruttore richiedono pochi secondi.

EXPERTIG [de]

Mit dem neuen EXPERTIG-Griff kann man noch leichter und müheloser schweißen. Das EXPERTIG-Sortiment umfasst luft- und wassergekühlte Brenner von 110 bis 320 Ampere (DC). Der EXPERTIG wird standardmäßig mit TSK-Steckern geliefert. Der Konfigurator hilft Ihnen, den richtigen Anschluss zu einer Vielzahl von TIG-Maschinen zu finden. Die EXPERTIG-Brennserie bietet zwei verschiedene Griffgrößen. Mit den EXPERTIG-Schaltervariationen können Sie die perfekte Kombination für Ihr Schweißgerät finden. Dank der vier verschiedenen Schalter-Optionen kann der EXPERTIG-Brenner schnell an Ihre Maschine angepasst werden. Das Entfernen und Wechseln des Schalters dauert nur wenige Sekunden.

EXPERTIG [fr]

La nouvelle poignée EXPERTIG est le fruit d'une étude de poids équilibré, nécessaire pour pouvoir souder facilement et sans effort. La gamme EXPERTIG comprend des torches à refroidissement par air et par eau de 110 à 320 A (CC). EXPERTIG dispose de prises TSK en série. Les torches de la série EXPERTIG proposent deux tailles de poignées. Avec les variantes d'interrupteurs EXPERTIG, vous pouvez trouver la combinaison idéale pour votre poste à souder. Grâce aux quatre options de cartes de circuits imprimés, la torche EXPERTIG peut être rapidement configurée sur votre machine. Le retrait et le changement de l'interrupteur prennent quelques secondes.

EXPERTIG [tr]

Yeni EXPERTIG kabza, kolayca ve zahmetsizce kaynak yapmak için gerekli olan dengeli ağırlığa dair yapılan çalışmaların sonucudur. EXPERTIG serisi, 110 ile 320 Amper (DC) arasındaki hava ve su soğutmalı torçları içerir. EXPERTIG, TSK bağlantı fişleriyle standart olarak sunulur. EXPERTIG torç serisi iki farklı kabza boyutuna sahiptir. EXPERTIG tetik çeşitleri ile kaynak makinenize en uygun çözümü bulabilirsiniz. EXPERTIG torçlar, dört farklı elektronik tetik kartı seçeneği sayesinde makineniz için hızlı bir şekilde yapılandırılabilir. Tetiği çıkarıp değiştirmek sadece birkaç saniye sürer.

EXPERTIG 20

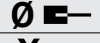
CE EN60974-7



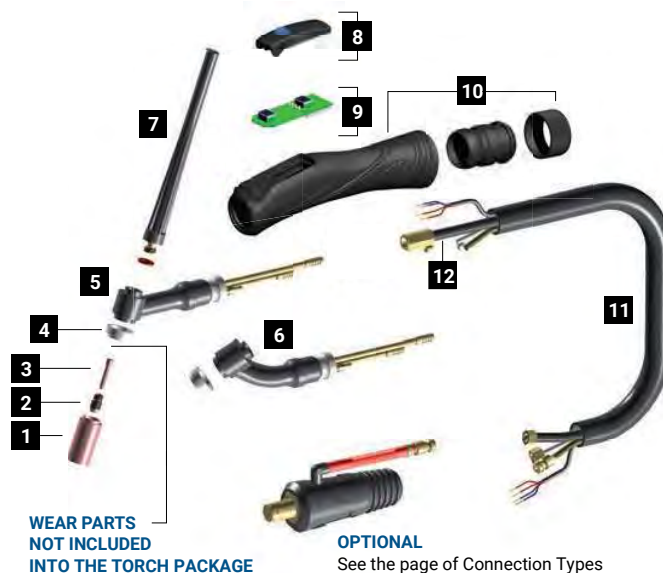
CODE	↔			
TB2004S-511-WA3	4 m	12,5'	Single Button 	1
TB2008S-511-WA3	8 m	25'		1

OPTIONAL STARTER KIT

CODE	Ø			
TT0101	1,6 mm	1/16"	WR2	1
TT0102	2,4 mm	3/32"	WR2	1

TECHNICAL DATA		
EXPERTIG 20		
 1 m	0,85 kg	1,87 lb
V PEAK	113	
	Argon	
 Ø	0,5 ÷ 3,2 mm	0,020" ÷ 1/8"
X 100%	250A DC - 220A AC	
	4 bar	
	1,5 l/min	

	CODE			
4	TQ0001		insulator	10
5	TG0020		tig 20 torch head	1
6	TG0220		tig 20 flex torch head	1
7	BW0063		back cap 147,5 mm	10
7	EA0129		O-ring Ø 4,5x2 mm	10
8	TT0611		1 button kit	1
9	TT0630		pc-board	1
10	BW0310		cable joint	1
10	TT0601		handle kit	1
11	TH1474-040		cable assembly - 4 m / 12.5'	1
11	TH1474-080		cable assembly - 8 m / 25'	1
12	TH0086		power cable - 4 m / 12.5'	1
12	TH0087		power cable - 8 m / 25'	1
13	CX0080		TSK 50 - quick plug	1



TIG	PLUG CONNECTIONS
Quick Conn. (Water)	
1/4G (Gas)	
Control Cable	
	Power TSK 50

SWITCHES BUTTON KITS

EXPERTIG



SWITCH COVER + SILICON BUTTON KITS

CODE			
TT0611		Single Button Kit	1
TT0612		Double Buttons Kit	1
TT0613		Triple Buttons Kit	1
TT0620		Single Button + Potentiometer Kit	1

PC-BOARDS

CODE			
TT0630		Pc-Board (1 - 2 buttons)	1
TT0634		Pc-Board (3 buttons)	1
TT0631		Pc-Board Single Button + 1 kOhm Potentiometer	1
TT0632		Pc-Board Single Button + 5 kOhm Potentiometer	1
TT0633		Pc-Board Single Button + 10 kOhm Potentiometer	1

TUNGSTEN ELECTRODES



CODE		Ø 		
TR0001-10	WP Pure	1 mm	150 mm	1
TR0001-16		1,6 mm	150 mm	1
TR0001-20		2 mm	150 mm	1
TR0001-24		2,4 mm	150 mm	1
TR0001-32		3,2 mm	150 mm	1
TR0001-40		4 mm	150 mm	1
TR0002-10	WP Pure	1 mm	175 mm	1
TR0002-16		1,6 mm	175 mm	1
TR0002-20		2 mm	175 mm	1
TR0002-24		2,4 mm	175 mm	1
TR0002-32		3,2 mm	175 mm	1
TR0002-40		4 mm	175 mm	1
TR0007-10	WC20 Ceriated CeO ₂	1 mm	150 mm	1
TR0007-16		1,6 mm	150 mm	1
TR0007-20		2 mm	150 mm	1
TR0007-24		2,4 mm	150 mm	1
TR0007-32		3,2 mm	150 mm	1
TR0007-40		4 mm	150 mm	1
TR0008-10	WC20 Ceriated CeO ₂	1 mm	175 mm	1
TR0008-16		1,6 mm	175 mm	1
TR0008-20		2 mm	175 mm	1
TR0008-24		2,4 mm	175 mm	1
TR0008-32		3,2 mm	175 mm	1
TR0008-40		4 mm	175 mm	1
TR0011-10	WL10 Lanthanum La ₂ O ₃	1 mm	150 mm	1
TR0011-16		1,6 mm	150 mm	1
TR0011-20		2 mm	150 mm	1
TR0011-24		2,4 mm	150 mm	1
TR0011-32		3,2 mm	150 mm	1
TR0011-40		4 mm	150 mm	1
TR0012-16	WL10 Lanthanum La ₂ O ₃	1,6 mm	175 mm	1
TR0012-24		2,4 mm	175 mm	1
TR0012-32		3,2 mm	175 mm	1

CODE		Ø 		
TR0013-10	WL15 Lanthanum La ₂ O ₃	1 mm	150 mm	1
TR0013-16		1,6 mm	150 mm	1
TR0013-20		2 mm	150 mm	1
TR0013-24		2,4 mm	150 mm	1
TR0013-32		3,2 mm	150 mm	1
TR0013-40		4 mm	150 mm	1
TR0014-10	WL15 Lanthanum La ₂ O ₃	1 mm	175 mm	1
TR0014-16		1,6 mm	175 mm	1
TR0014-20		2 mm	175 mm	1
TR0014-24		2,4 mm	175 mm	1
TR0014-32		3,2 mm	175 mm	1
TR0014-40		4 mm	175 mm	1
TR0017-10	WL20 Lanthanum La ₂ O ₃	1 mm	150 mm	1
TR0017-16		1,6 mm	150 mm	1
TR0017-20		2 mm	150 mm	1
TR0017-24		2,4 mm	150 mm	1
TR0017-32		3,2 mm	150 mm	1
TR0017-40		4 mm	150 mm	1
TR0018-10	WL20 Lanthanum La ₂ O ₃	1 mm	175 mm	1
TR0018-16		1,6 mm	175 mm	1
TR0018-20		2 mm	175 mm	1
TR0018-24		2,4 mm	175 mm	1
TR0018-32		3,2 mm	175 mm	1
TR0018-40		4 mm	175 mm	1
TR0021-10	WR2 Oxides mix	1 mm	150 mm	1
TR0021-16		1,6 mm	150 mm	1
TR0021-20		2 mm	150 mm	1
TR0021-24		2,4 mm	150 mm	1
TR0021-32		3,2 mm	150 mm	1
TR0021-40		4 mm	150 mm	1
TR0022-10	WR2 Oxides mix	1 mm	175 mm	1
TR0022-16		1,6 mm	175 mm	1
TR0022-20		2 mm	175 mm	1
TR0022-24		2,4 mm	175 mm	1
TR0022-32		3,2 mm	175 mm	1
TR0022-40		4 mm	175 mm	1

TIG CONSUMABLE KITS

STARTER KITS



9 - 20 - 20 HC - 25

CODE	Ø		
TT0221	1,6 mm	1/16"	1
TT0222	2,4 mm	3/32"	1

17 - 18 - 18 HC - 26

CODE	Ø		
TT0223	1,6 mm	1/16"	1
TT0224	2,4 mm	3/32"	1

24 - 24W

CODE	Ø		
TT0226	1,6 mm	1/16"	1

STARTER KITS



9 - 20 - 20 HC - 25

CODE	Ø			
TT0101	1,6 mm	1/16"	WR2	1
TT0102	2,4 mm	3/32"	WR2	1

17 - 18 - 18 HC - 26

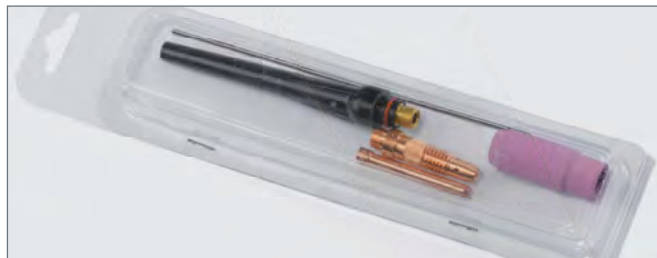
CODE	Ø			
TT0103	1,6 mm	1/16"	WR2	1
TT0104	2,4 mm	3/32"	WR2	1
TT0105	3,2 mm	1/8"	WR2	1

24 - 24W

CODE	Ø			
TT0203	1,6 mm	1/16"	WC20	1
TT0204	2,4 mm	3/32"	WC20	1

TIG CONSUMABLE KITS

STARTER KITS WITH BACK CAP



9 - 20 - 20 HC - 25

CODE	Ø			
TT0021	1,6 mm	1/16"	WC20	1
TT0022	2,4 mm	3/32"	WC20	1

17 - 18 - 18 HC - 26

CODE	Ø			
TT0023	1,6 mm	1/16"	WC20	1
TT0024	2,4 mm	3/32"	WC20	1
TT0025	3,2 mm	1/8"	WC20	1

MASTER KITS



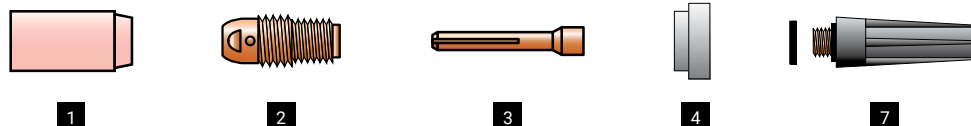
9 - 20 - 20 HC - 25

CODE	Ø		
TT0109	1,0 mm - 1,6 mm - 2,0 mm - 2,4 mm - 3,2 mm		1

17 - 18 - 18 HC - 26

CODE	Ø		
TT0110	1,6 mm - 2,0 mm - 2,4 mm - 3,2 mm - 4,0 mm		1

TIG 9 / 20 / 20 HC / 25 - CONSUMABLES



STANDARD

	CODE		Gr	Ø		REF	
1	TC0012		4	6,4 mm 1/4"	30 mm	13N08	10
1	TC0013		5	8 mm 5/16"	30 mm	13N09	10
1	TC0014		6	9,8 mm 3/8"	30 mm	13N10	10
1	TC0015		7	11,2 mm 7/16"	30 mm	13N11	10
1	TC0016		8	12,7 mm 1/2"	30 mm	13N12	10
1	TC0017		10	15,7 mm 5/8"	30 mm	13N13	10
1	TC0096		4	6,5 mm 1/4"	48 mm	796F71	10
1	TC0097		5	8 mm 5/16"	48 mm	796F72	10
1	TC0098		6	9,5 mm 3/8"	48 mm	796F73	10
1	TC0101		4	6,5 mm 1/4"	63 mm	796F75	10
1	TC0102		5	8 mm 5/16"	63 mm	796F76	10
1	TC0103		4	6,5 mm 1/4"	89 mm	796F79	10
2	TE0003-05			0,5 mm .020"	21 mm	13N25	10
2	TE0003-10			1,0 mm .040"	21 mm	13N26	10
2	TE0003-16			1,6 mm 1/16"	21 mm	13N27	10
2	TE0003-20			2,0 mm 5/64"	21 mm	-	10
2	TE0003-24			2,4 mm 3/32"	21 mm	13N28	10
2	TE0003-32			3,2 mm 1/8"	21 mm	13N29	10

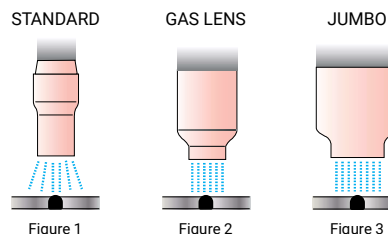
	CODE		Gr	Ø		REF	
3	TD0003-05			0,5 mm .020"	25 mm	13N20	10
3	TD0003-10			1,0 mm .040"	25 mm	13N21	10
3	TD0003-16			1,6 mm 1/16"	25 mm	13N22	10
3	TD0003-20			2,0 mm 5/64"	25 mm	-	10
3	TD0003-24			2,4 mm 3/32"	25 mm	13N23	10
3	TD0003-32			3,2 mm 1/8"	25 mm	13N24	10
4	TQ0001					598882	10
7	BW0063				147,5 mm	41V24	10
7	BW0064				53 mm	41V35	10
7	BW0065				17,5 mm	41V33	10
7	EA0129						10

GAS LENS

	CODE		Gr	Ø		REF	
1	TC0041		4	6,4 mm 1/4"	25,5 mm	53N58	10
1	TC0042		5	8 mm 5/16"	25,5 mm	53N59	10
1	TC0043		6	9,8 mm 3/8"	25,5 mm	53N60	10
1	TC0044		7	11,2 mm 7/16"	25,5 mm	53N61	10
1	TC0045		8	12,7 mm 1/2"	25,5 mm	53N61S	10
2	TE0005-05			0,5 mm .020"	22 mm	45V41	10
2	TE0005-10			1,0 mm .040"	22 mm	45V42	10
2	TE0005-16			1,6 mm 1/16"	22 mm	45V43	10
2	TE0005-20			2,0 mm 5/64"	22 mm		10
2	TE0005-24			2,4 mm 3/32"	22 mm	45V44	10
2	TE0005-32			3,2 mm 1/8"	22 mm	45V45	10
2	TE0025-16			1,6 mm 1/16"	22 mm	-	10
2	TE0025-20			2,0 mm 5/64"	22 mm	-	10
2	TE0025-24			2,4 mm 3/32"	22 mm	-	10
2	TE0025-32			3,2 mm 1/8"	22 mm	-	10
3	TD0003-05			0,5 mm .020"	25 mm	13N20	10
3	TD0003-10			1,0 mm .040"	25 mm	13N21	10
3	TD0003-16			1,6 mm 1/16"	25 mm	13N22	10
3	TD0003-20			2,0 mm 5/64"	25 mm	-	10
3	TD0003-24			2,4 mm 3/32"	25 mm	13N23	10
3	TD0003-32			3,2 mm 1/8"	25 mm	13N24	10
4	TQ0001					598882	10
7	BW0063				147,5 mm	41V24	10
7	BW0064				53 mm	41V35	10
7	BW0065				17,5 mm	41V33	10
7	EA0129						10

GAS LENS XL (JUMBO)

	CODE		Gr	Ø		REF	
1	TC0118		8	12,7 mm 1/2"	48 mm	57N74	10
1	TC0119		10	15,7 mm 5/8"	48 mm	53N88	10
1	TC0120		12	19,5 mm 3/4"	48 mm	53N87	10
2	TE0088-16			1,6 mm 1/16"	40 mm	45V116S	2
2	TE0088-24			2,4 mm 3/32"	40 mm	45V64S	2
2	TE0088-32			3,2 mm 1/8"	40 mm	-	2
3	TD0088-16			1,6 mm 1/16"	40 mm	13N22L	10
3	TD0088-20			2,0 mm 5/64"	40 mm	-	10
3	TD0088-24			2,4 mm 3/32"	40 mm	13N23L	10
3	TD0088-32			3,2 mm 1/8"	40 mm	13N24L	10
4	TQ0026					54N6320	10
7	BW0063				147,5 mm	41V24	10
7	BW0064				53 mm	41V35	10
7	BW0065				17,5 mm	41V33	10
7	EA0129						10



Protection gas flow is usually guttered by a STANDARD ceramic nozzle (Figure 1). Such flow is affected by turbulences of torch head which are caused by the inlet pressure. In order to assure an uniform gas distribution, above all in stainless steel, titanium and aluminium alloys welding, we suggest the use of GAS LENS spare parts. The electrode holder equipped with a gas lens net, uniformes the flow (Figure 2) and aid to save the protection gas. Where permitted by external dimensions, it is recommended the JUMBO version which increases the protected surface with advantage for welding quality (Figure 3).