



ADAPTIVE POWER

trafimet
distribution

YOUR WELDING PARTNER

ERGOCUT
S 65

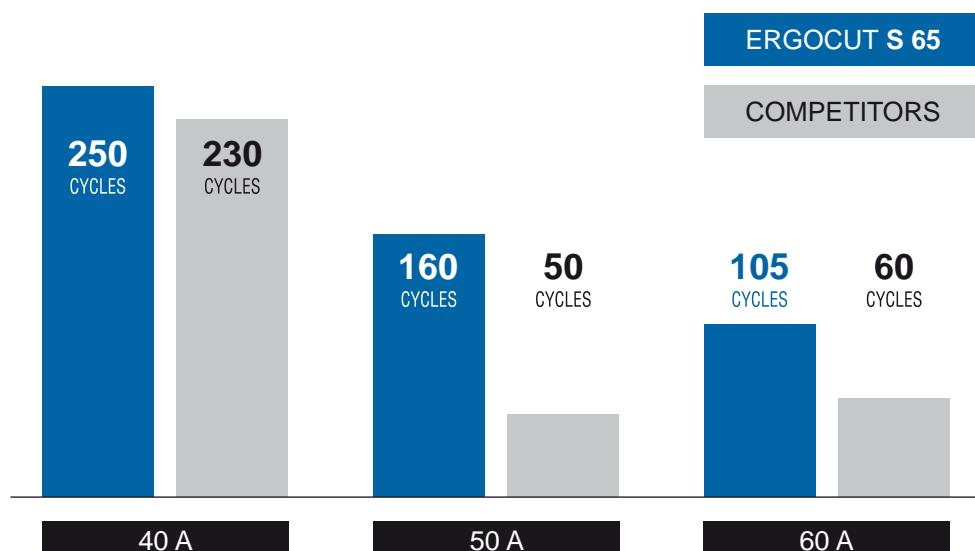
THE NEW PLASMA CUTTING TORCH ERGOCUT S 65

ERGOCUT S 65 in the new Trafimet torch for Plasma cutting without high frequency, thanks to the innovative project becomes the standard reference for 60 A torches.

Rapid process cycling and quick cutting speed with a overall high quality of cut, are some of the important characteristics of this torch.

ERGOCUT S 65 is particularly suitable for the customers who demand the highest cut quality, unmatched reliability and ease to use.

LONGER CONSUMABLE LIFE



STANDARD CONFIGURATION PERFORMANCES

- Mild steel
- Thickness 10 mm
- Current 60 A
- Cutting speed 1 meter per minute

SAFETY

ERGOCUT S 65 handle protect the user thanks to the increase distance between the contact tip and the hand.

HI-PERFORMANCE

The ERGOCUT S 65 guarantees optimized cutting performance and long lasting spare parts.

EFFICIENCY

New design spare parts, the ERGOCUT S 65 support high cutting speed reducing the time and cost of your manufacturing process.



ERGOCUT SERIES +



La sicurezza Trafimet: il dispositivo protegge l'operatore da accensioni accidentali o involontarie della torcia. Ulteriore "Plus"; il pulsante è ambidestro.

Sicherheit von Trafimet: Das Gerät schützt den Bediener vor zufälligem oder ungewolltem Schneiden des Schneidbrenners. Weiteres "Plus": Der Druckknopf ist beidhändig.

La sécurité Trafimet: le dispositif protège l'opérateur contre allumages accidentels ou involontaires de la torche. Un autre "Plus" : le bouton est ambidextre.

Trafimet's safety: The device protects the operator against accidental or involuntary cut in of the torch. Further "Plus": The push-button is ambidextrous.



Sicurezza nell'attacco centralizzato: la connessione elettrica della torcia avviene solo con l'avvitamento completo della ghiera. Il blocco antirotazione di sicurezza va disattivato con l'utensile specifico fornito da Trafimet.

Sicherheit im Hauptanschluss: Der Stromanschluss des Schneidbrenners tritt nur bei vollständigem Aufschrauben der Ringmutter ein. Die Sicherheitsdrehsperrhe muss mit einem von Trafimet gelieferten Spezialwerkzeug deaktiviert werden.

Sécurité dans la connexion centralisée: la connexion électrique de la torche se fait uniquement en vissant complètement la bague. Il faut pour désactiver le bloc anti-rotation de sécurité se servir d'un outil spécifique fourni par Trafimet.

Safety in the central connection: The electric connection of the torch occurs only with the complete screwing up of the ring nut. The safety anti-rotation block has to be disabled using the specific tool supplied by Trafimet.



Utensile di sblocco/disconnessione attacco.

Werkzeug zum Lösen/Trennen des Anschlusses

Outil de déblocage/débranchement connexion.

Tool to release/disconnect the connection



La sicurezza tradizionale: le spine mobili chiudono il circuito solo con l'ugello completamente avvitato.

Traditionelle Sicherheit: Die mobilen Sicherungseinsätze schließen den Kreis nur mit vollständig aufgeschaubter Düse.

La sécurité traditionnelle: les fiches mobiles ferment le circuit seulement avec la buse totalement vissée.

Traditional safety: The mobile plugs close the circuit only with completely screwed up nozzle.

La sicurezza ed il comfort: meno calore per la mano dell'operatore grazie alla presa arretrata. Ulteriore "Plus": la completa sigillatura da polvere dell'impugnatura grazie all'accoppiamento a labirinto e ad uno speciale O-Ring isolante posto sul corpo torcia.

Sicherheit und Komfort: Weniger Wärme für die Hände des Bedieners dank der hinteren Griffposition. Weiteres "Plus": Komplette Abdichtung des Griffes vor Staub dank der Labyrinth-Kupplung und einer speziellen O-Ring-dichtung am Schneidbrennergehäuse.

La sécurité et le confort: moins de chaleur pour la main de l'opérateur, grâce à la prise éloignée. Un autre "Plus": étanchéité complète de la poignée contre la poussière grâce au couplage de labyrinthe et à un joint torique isolant spécial placé sur le corps de torche.



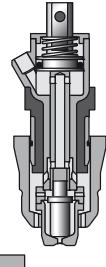
Safety and comfort: Less heat for the operator's hand thanks to the back position of the grip. Further "Plus": Complete sealing of the grip against dust thanks to the labyrinth coupling and a special sealing O-Ring located on the torch body.

ERGOCUT SERIES +

ERGOCUT S serie:

torce con accensione dell'arco pilota senza alta frequenza.

schniedbrenner mit Pilotbogenschneiden ohne Hochfrequenz.



1

1 Torcia a riposo.

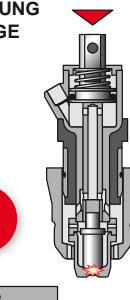
Schniedbrenner aus.

Torche au repos.

Torch off.Torcia a riposo.

TENSIONE / SPANNUNG
COURANT / VOLTAGE

2



2 Premendo il pulsante la torcia viene alimentata dalla corrente e si crea un momentaneo corto circuito fra elettrodo e cappa.

Durch Drücken des Triggers wird der Schneidbrenner mit Strom versorgt, dadurch wird ein Kurzschluss zwischen Elektrode und Brennermund erzeugt.

Quand on presse la gâchette, la torche est alimentée par le courant et il se crée un court-circuit momentané entre l'électrode et la tuyère.

By pressing the trigger the torch will be fed by the current thus causing a temporary short circuit between electrode and tip.

Raffreddamento ad acqua: nuovo sistema di raffreddamento per le torce AW 201 (serie A) che ne consente performance di eccellenza:

- 100% duty cycle
- minor rumore in uso
- riduzione portata d'aria
- minor dispersione delle polveri da taglio.

Wasserkühlung: neues Kühlsystem für Schneidbrenner AW 201 (Serie A), das ausgezeichnete Leistungen ermöglicht:

- 100% Arbeitszyklus
- weniger Lärm beim Arbeiten
- reduzierte Luftströmungsgeschwindigkeit
- geringere Schneidstaubausbreitung.

Refroidissement à eau: nouveau système de refroidissement pour les torches AW 201 (série A) qui permet des performances d'excellence:

- facteur de marche à 100%
- moins de bruit pendant l'emploi
- réduction débit air
- moins de dispersion des poussières de coupe.

Water cooling: new cooling system for the torches AW 201 (series A) that permits excellent performance:

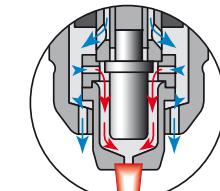
- 100% duty cycle
- less noise during use
- reduced air flow rate
- less dispersion of the cutting dusts.

TENSIONE / SPANNUNG
COURANT / VOLTAGE

ARIA / AIR
AIR / AIR

3

ARCO PILOTA / PILOT ARC
ARC PILOTE / PILOT ARC



aria di taglio / aire de coupe / cutting air
aria di raffreddamento
aire de refrigeración
air de refroidissement
cooling air

TENSIONE / SPANNUNG
COURANT / VOLTAGE

ARIA / AIR
AIR / AIR

4

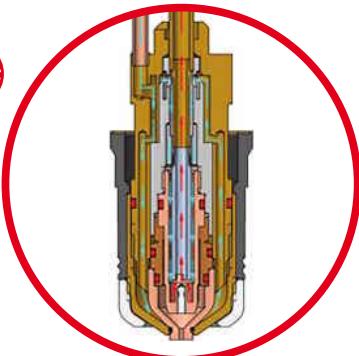
ARCO PLASMA / PLASMA ARC
ARC PLASMA / PILOT ARC

4 Trasportando la torcia sopra il pezzo da tagliare si crea l'arco plasma.

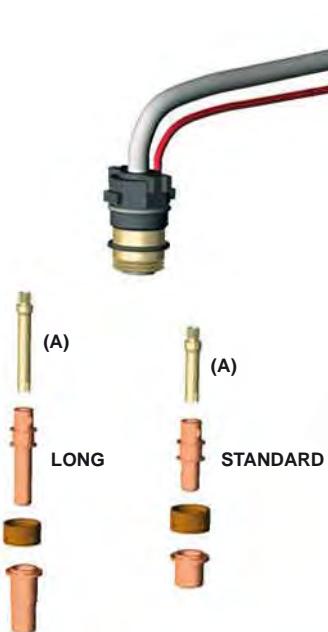
Wenn der Schneidbrenner auf das zu schneidende Teil gesetzt wird, wird der Plasmalichtbogen gezündet.

En transportant la torche au-dessus de la pièce à couper, on crée l'arc plasma.

By positioning the torch on the part to be cut, the plasma arc will strike.



ERGOCUT SERIES +



Versatilità: la cannetta guida aria mobile (A) inserita nel corpo torcia permette di utilizzare i diversi tipi di ricambi proposti garantendo sempre il massimo raffreddamento degli stessi.

Vielseitigkeit: mit der in das Schneidbrennergehäuse eingesetzten mobilen Luftführungsbuchse können verschiedene Arten von empfohlenen Ersatzteilen verwendet werden und die maximale Kühlung des Schneidbrenners ist immer gewährleistet.

Diversité: le tube plongeur mobile (A) inséré dans le corps de torche permet d'utiliser les différents types de pièces d'usures proposés, en garantissant toujours un refroidissement maximum de celles-ci.

Versatility: the mobile air guiding liner (A) inserted in the torch body allows using the different types of suggested spare parts assuring always the maximum cooling of the same.



**sottile / ligero
fin / slim**

Protezione e dimensioni: il corpo torcia è integrato nell'impugnatura e quindi protetto contro gli urti accidentali. Le ridotte dimensioni del corpo torcia consentono una notevole riduzione del peso sull'estremità, diminuendo di molto l'affaticamento del polso.

Schutz und Abmessungen: Das Schneidbrennergehäuse ist im Griff integriert und ist deshalb vor zufälligen Stößen geschützt. Durch die kleine Größe des Schneidbrennergehäuses kann das Gewicht am Ende weiter reduziert werden, was die Ermüdung des Handgelenks bedeutend verringert.

Protection et dimensions: le corps de torche intégré dans la poignée est donc protégé contre les coups accidentels. Les dimensions réduites du corps de torche permettent une réduction conséquente du poids sur l'extrémité, réduisant ainsi la fatigue sur le poignet.



INTERNATIONAL PATENT

Snodo con ghiera bloccaggio copertura brevettata.

Dichtung mit patentierter Ringmutter zum

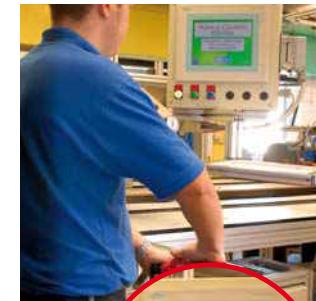
Verriegeln der Abdeckung.

Roulement avec frette de blocage couverture breveté.

Joint with patented ring nut for blocking cover.

Quality Check on 100% of Plasma torches

1. Controllo visivo / aspetto
2. Sicurezza pulsante
3. Sicurezza spinette
4. Arco pilota
5. Aria di taglio
6. Aria totale
7. Isolamento elettrico
8. Movimento innesco (serie S)
9. Portata H₂O raffreddamento (serie SW/AW)
10. Tenuta circuito raffreddamento (serie SW/AW)



1. Sichtprüfung / Aussehen
2. Druckknopf-Sicherheitsvorrichtung
3. Düsen- / Steckersicherheitsvorrichtung
4. Pilotbogen
5. Schneidluft
6. Gesamtluft
7. Elektrische Isolierung
8. Schneidbewegung (Serie S)
9. Kühlwasserströmungsgeschwindigkeit (Serie SW/AW)
10. Kühlkreislaufdichtung (Serie SW/AW)

1. Contrôle visuel / aspect
2. Sécurité gâchette
3. Sécurité buse / plots
4. Arc pilote
5. Air de coupe
6. Air total
7. Isollement électrique
8. Mouvement amorçage (série S)
9. Débit eau refroidissement (série SW/AW)
10. Étanchéité circuit de refroidissement (série SW/AW)

1. Visual check / appearance
2. Push-button safety device
3. Nozzle / plugs safety device
4. Pilot arc
5. Cutting air
6. Total air
7. Electric insulation
8. Cut in movement (series S)
9. Cooling water flow rate (series SW/AW)
10. Cooling circuit seal (series SW/AW)

CUTTING PERFORMANCES

mild steel thickness cutting with recommended tip (mm)

Datas are indicative and may be changed in any time without notice.

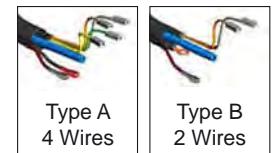
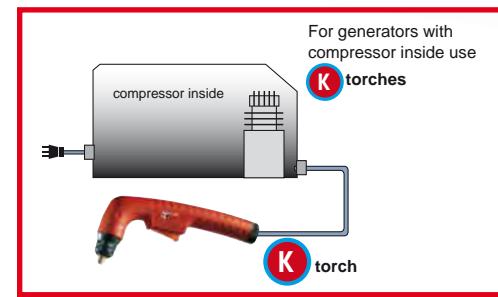
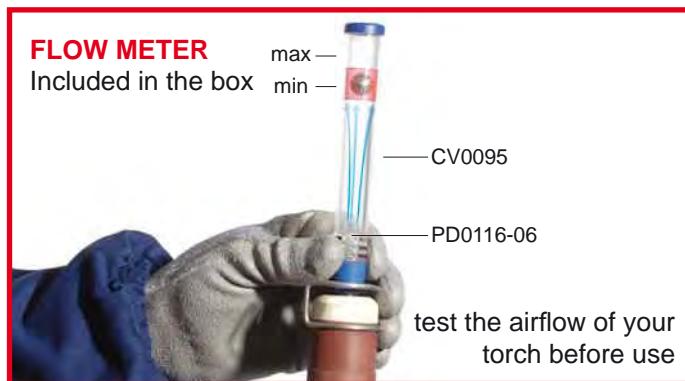


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ERGOCUT S 25K

PA0406	4m - 25K	Type A
PA0408	4m - 25K	Type B

	NO HF		4 m		0.4 Kg
	V peak	500		2 bar	
	X 35%	20A		4÷6 mm	





PR0110



PR0106



PE0106



PE0106



\varnothing	Cu	
0,6	PD0116-06	20A
0,8	PD0116-08	30A
0,9	PD0116-09	40A

TORCH WITHOUT SAFETY TRIGGER

TP0080

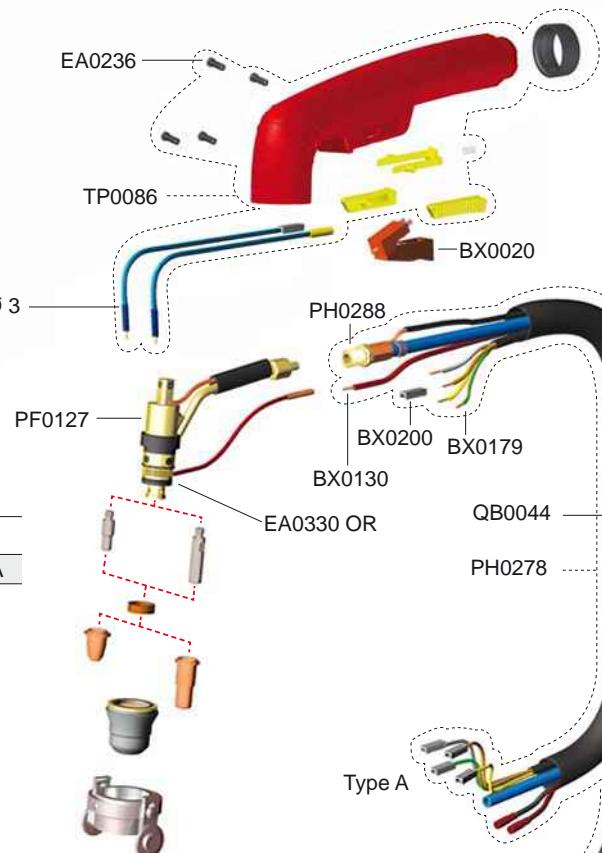


PF0125

PC0117



CV0024

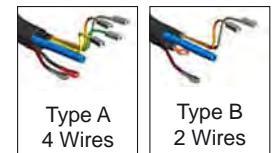
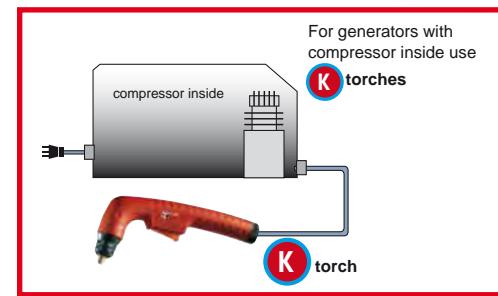
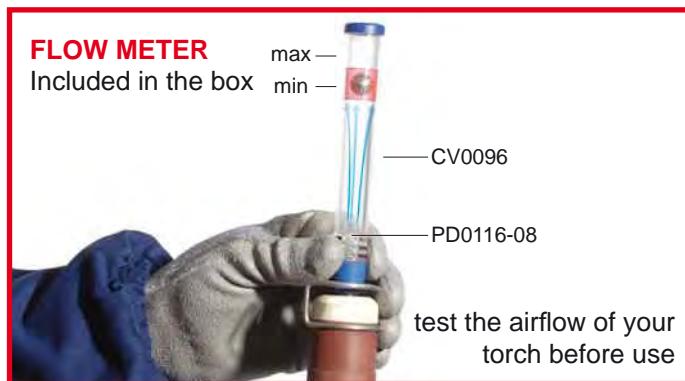
**STANDARD**

ERGOCUT S 35K



PA0407	4m - 35K	Direct Type A
PA0409	4m - 35K	Direct Type B

	NO HF		0.4 Kg
V_{peak}	500		
X_{35%}	32A		





PR0110



PR0106



PE0106



PE0106



\varnothing	Cu	
0,6	PD0116-06	20A
0,8	PD0116-08	30A
0,9	PD0116-09	40A

PC0135

2 rings



CV0024

**TORCH WITHOUT SAFETY TRIGGER**

TP0080



PF0125

EA0236



TP0086



BX0020

PH0288

BX0200

BX0179

QB0044

PH0278

EA0330 OR

PB0127

Ø 3

BX130

Type A

BX0138

Type B

PH0281

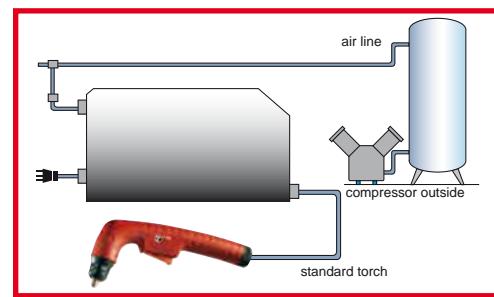
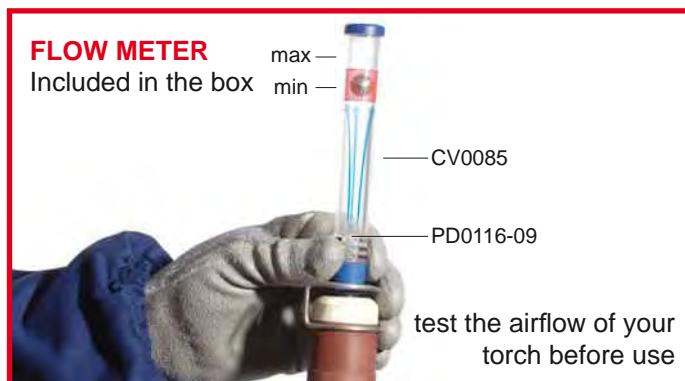
STANDARD

ERGOCUT S 25



PA0411 4m Direct Type B

	NO HF	4 m	1 m	0.4 Kg
	V peak	500	5 bar	95 l/min
	X 60%	25A	6÷8 mm	





PR0110



PR0106



PE0106



PE0106



\varnothing	Cu	
0,6	PD0116-06	20A
0,8	PD0116-08	30A
0,9	PD0116-09	40A

PC0116



CV0024

**TORCH WITHOUT SAFETY TRIGGER**

TP0080



PF0125

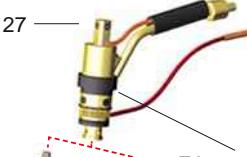
EA0236



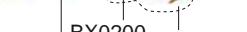
TP0086

 \varnothing 3

PF0127



PH0288



EA0330 OR

QB0044

PH0281

BX0138

Type B

STANDARD

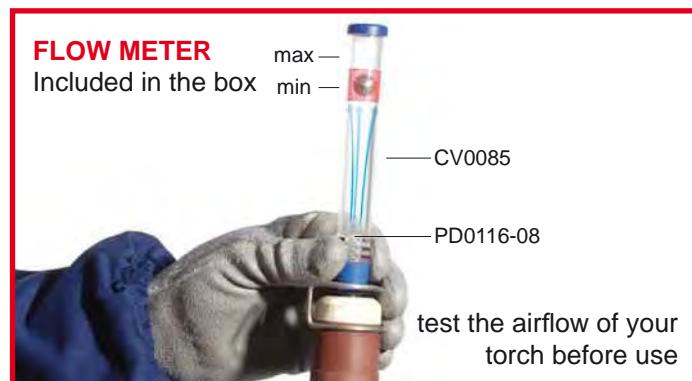
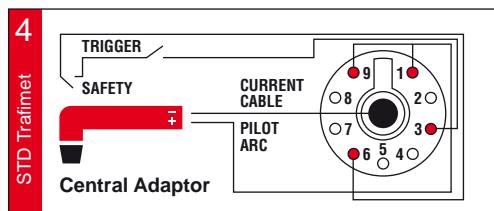
ERGOCUT S 45



PA0201	6m	1/4 G
PA0202	6m	Central Adaptor
PA0203	4m	1/4 G S

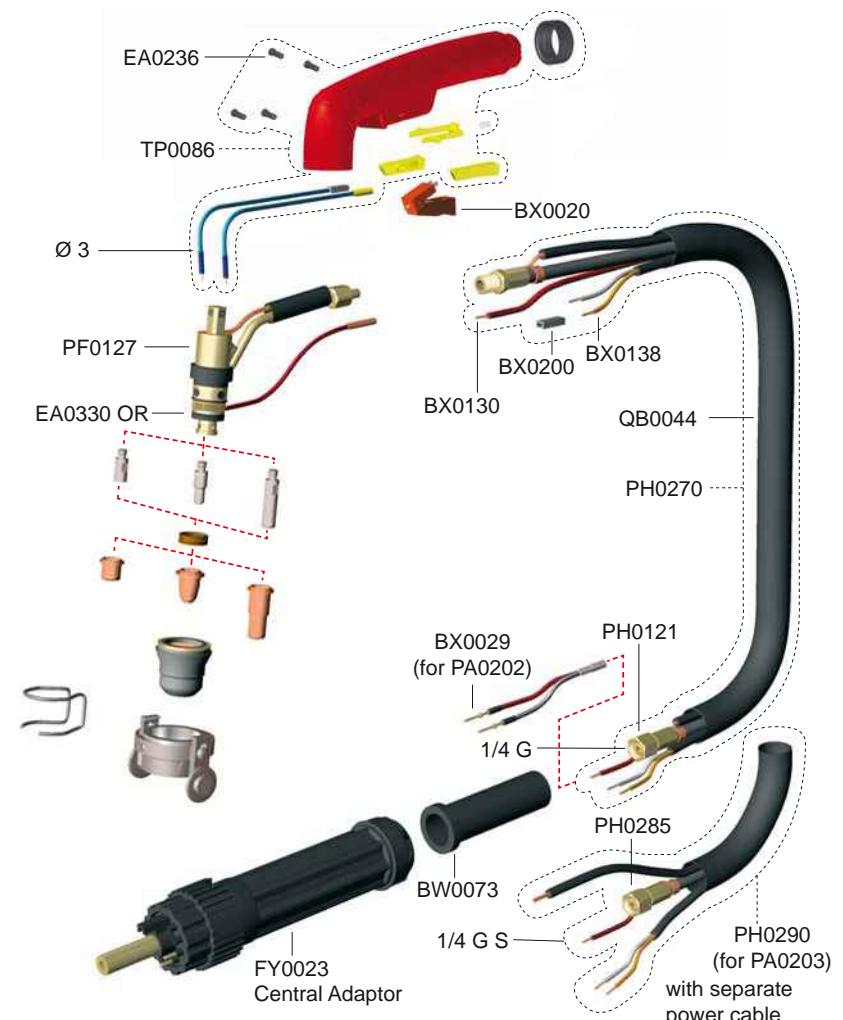
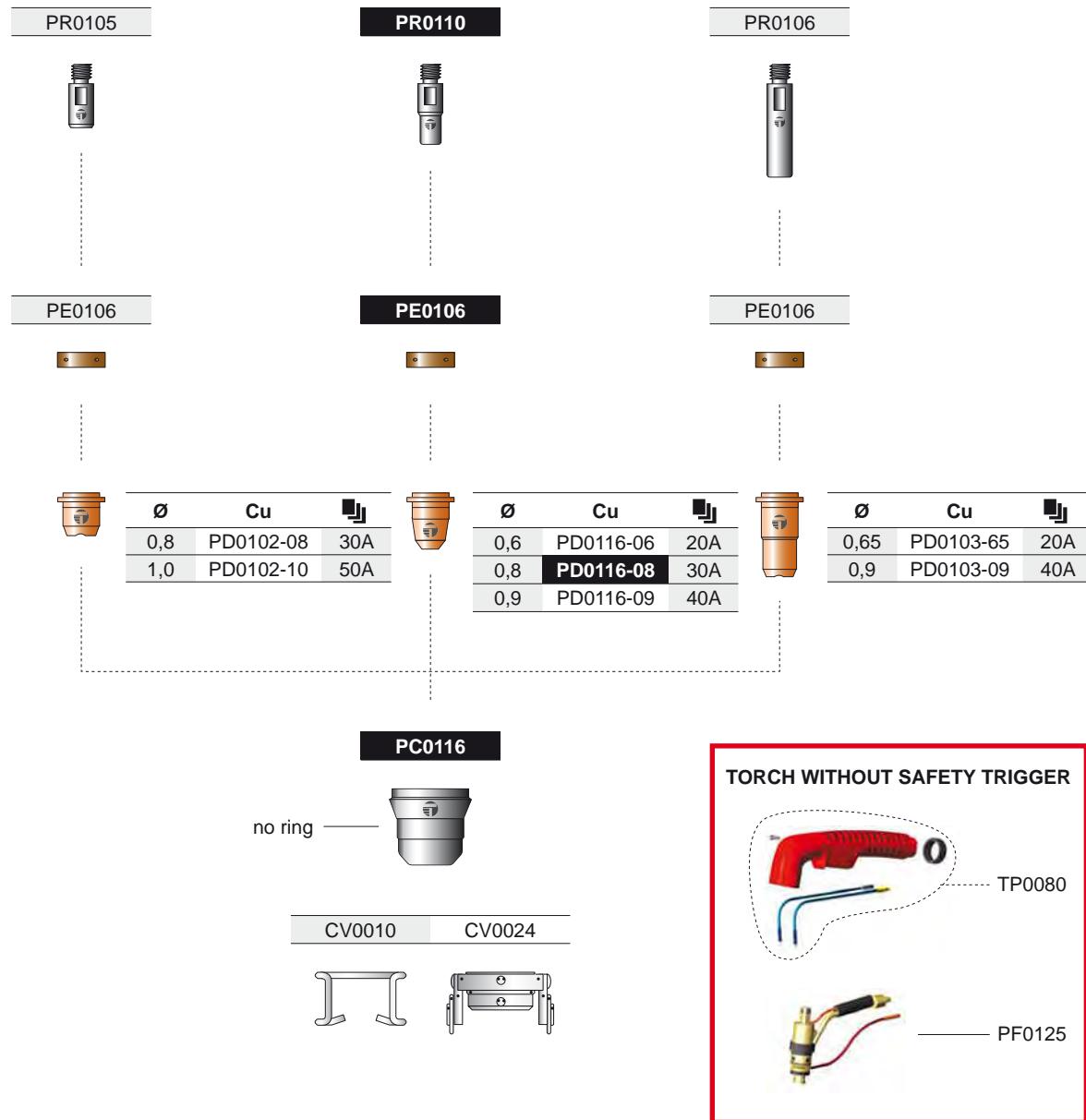


V peak	500	5 bar	115 l/min
X 60%	40A	8÷12 mm	



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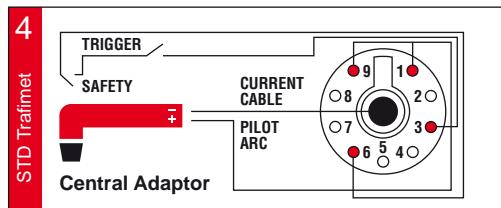
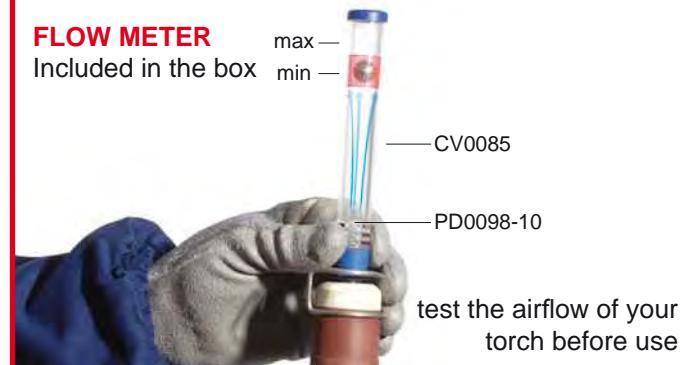


**STANDARD**

ERGOCUT S 65

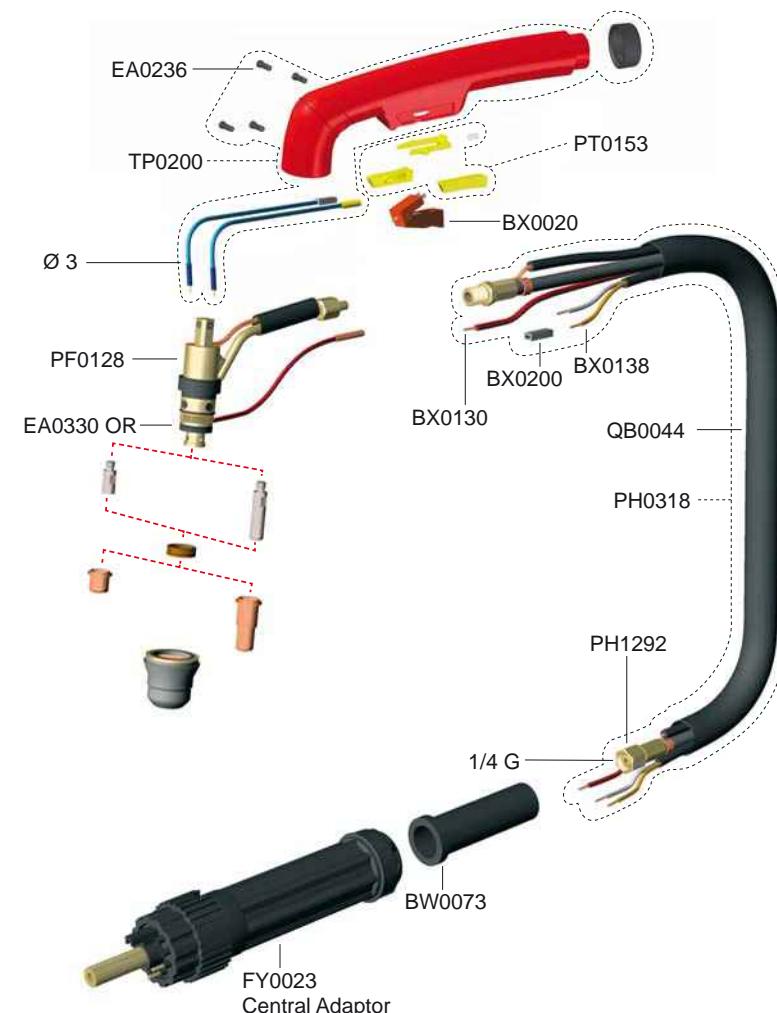
PA2200	6m	Central Adaptor
PA2201	6m	1/4 G
PA2202	6m	Central Adaptor
PA2203	6m	1/4 G

	NO HF		6 m		1 m
V peak	500		4 bar		100 l/min
X 60%	60A		8÷20 mm		


STANDARD


**STANDARD****PR0098****PE0106**

Ø	Cu	
0,8	PD0098-08	40A
1,0	PD0098-10	60A

PC0098**CV1118****DRAG****PR0106****PE0106****PC0198
Long Life****CV0298****DRAG****STANDARD**

ERGOCUT S 75

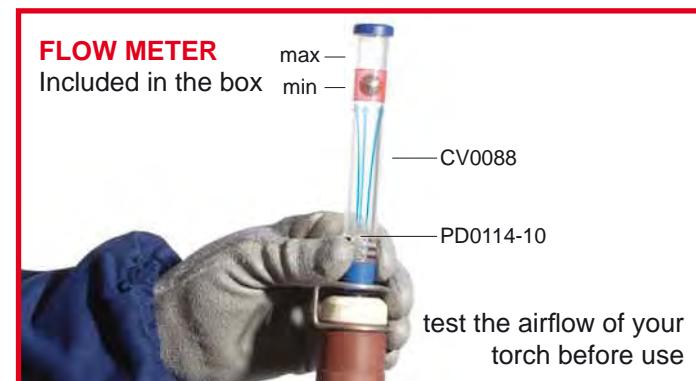
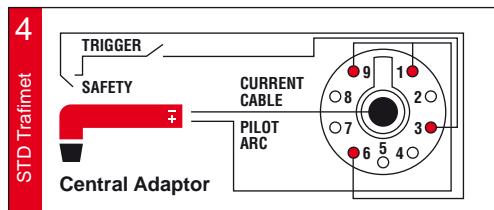


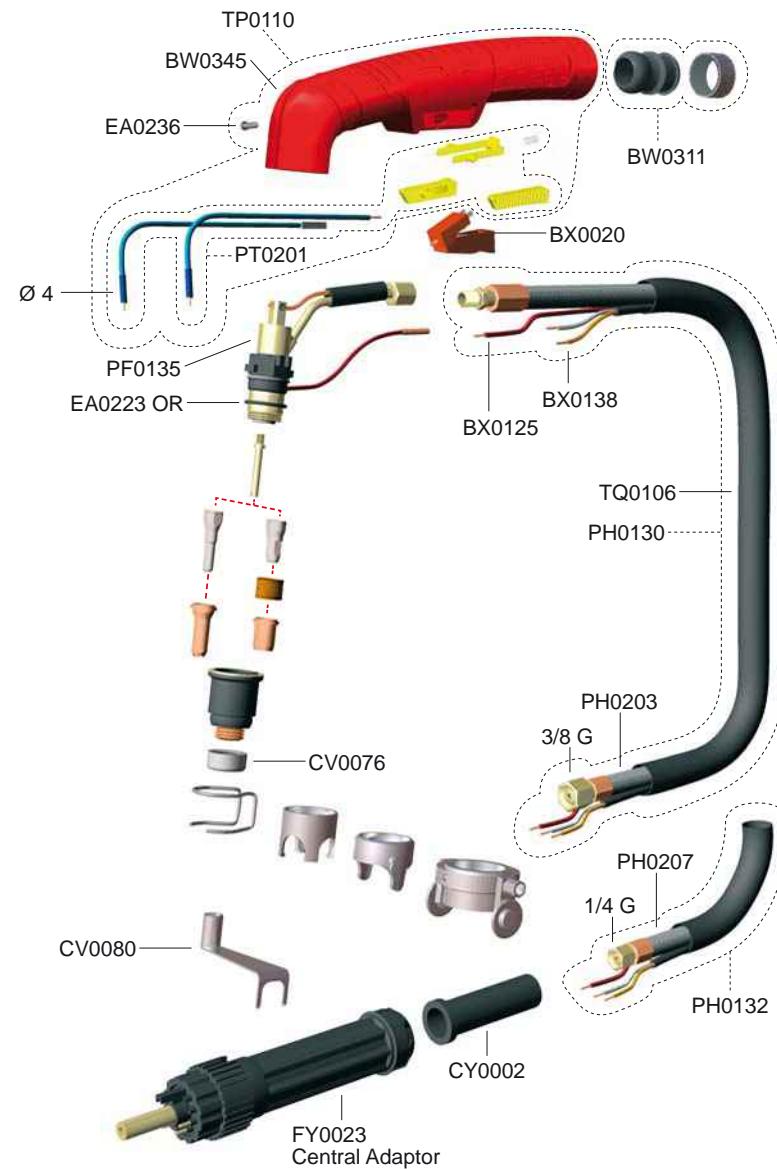
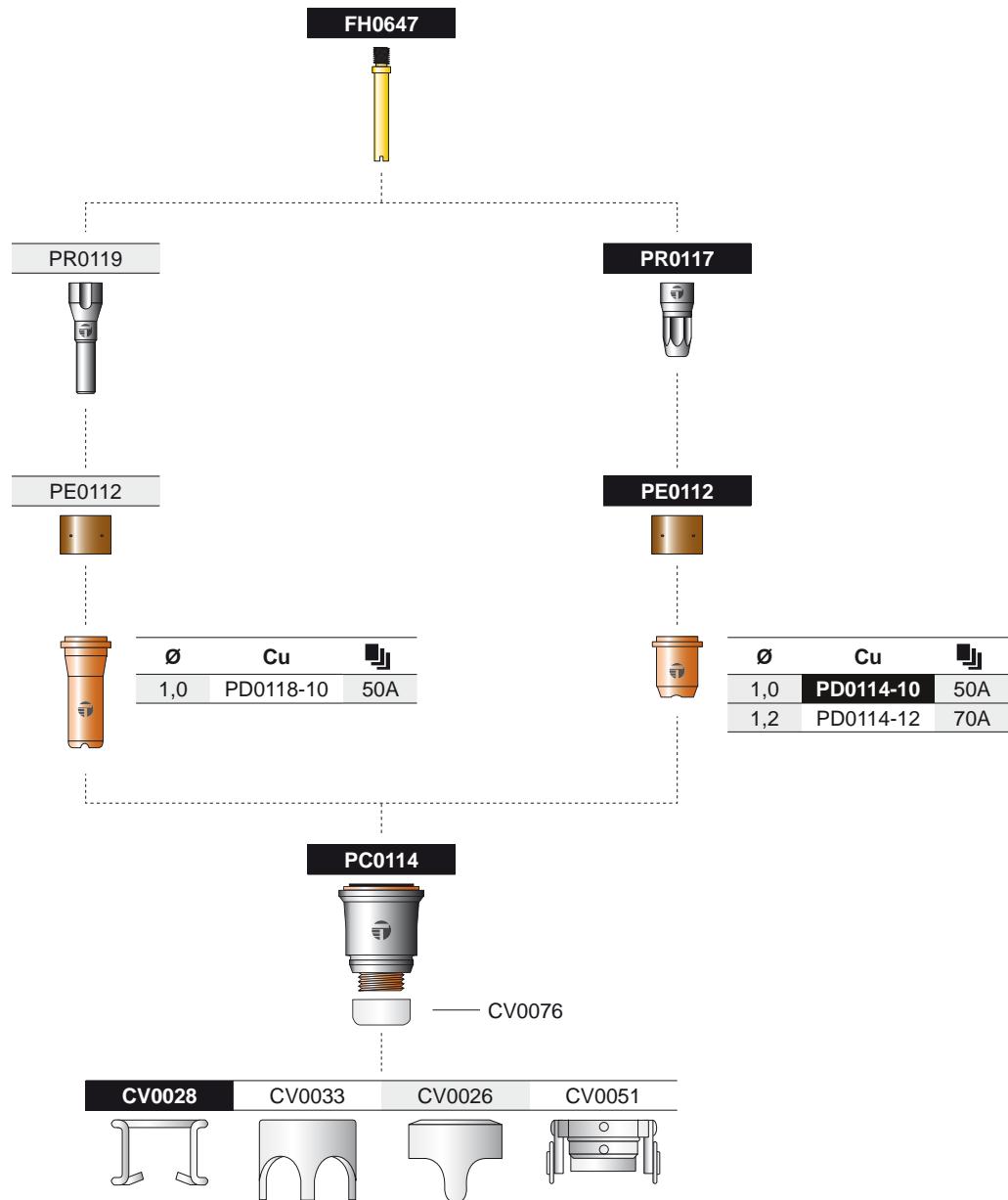
PA1602	6m	3/8 G
PA1604	6m	Central Adaptor
PA1606	6m	1/4 G



V peak	500	5 bar	150 l/min
X 60%	70A	X 100%	50A

18÷23 mm

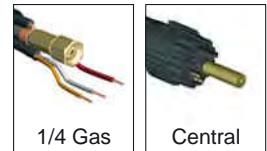
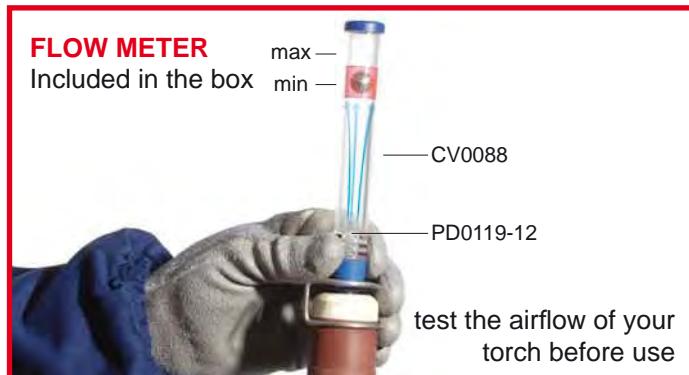
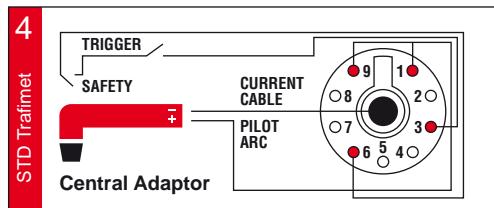


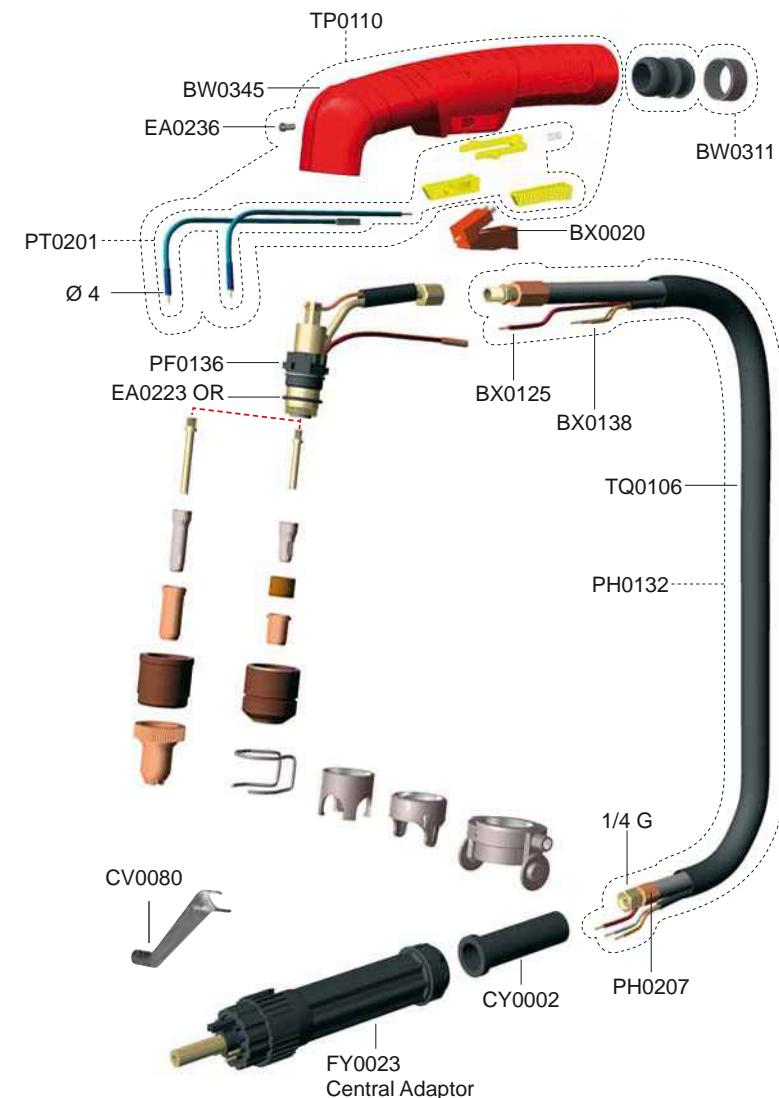
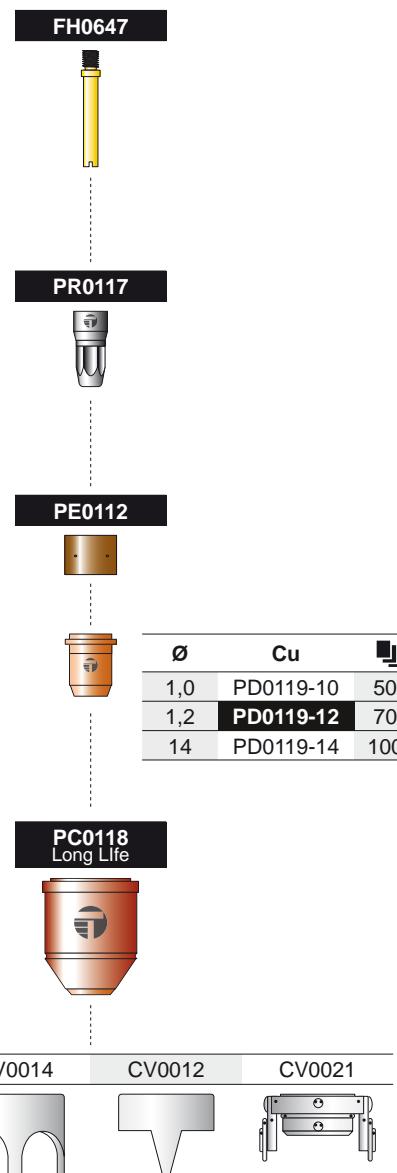
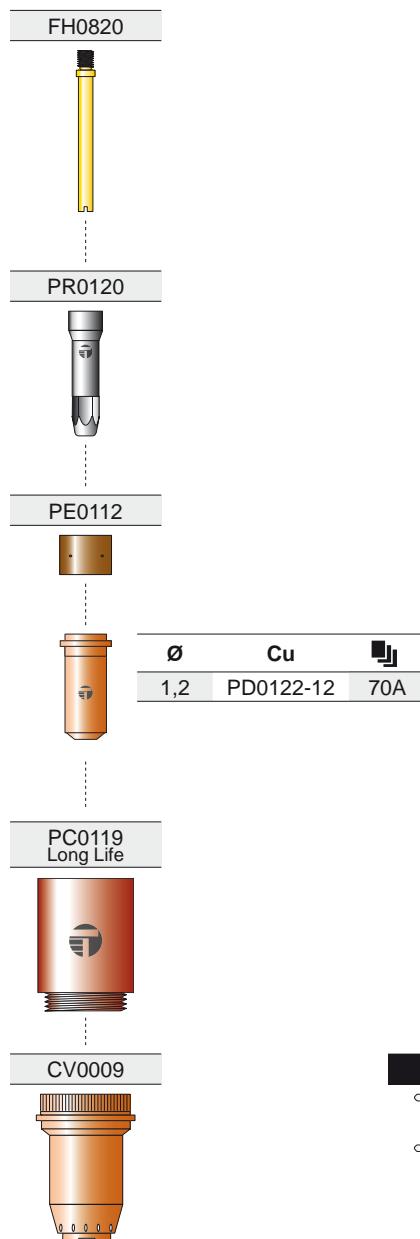
**STANDARD**

ERGOCUT S 105

		
PA1652	6m	Central Adaptor
PA1654	6m	1/4 G

	NO HF	
V peak	500	 5 bar  180 l/min
X 60%	100A	 70A  25÷30 mm

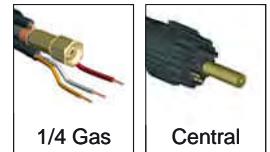
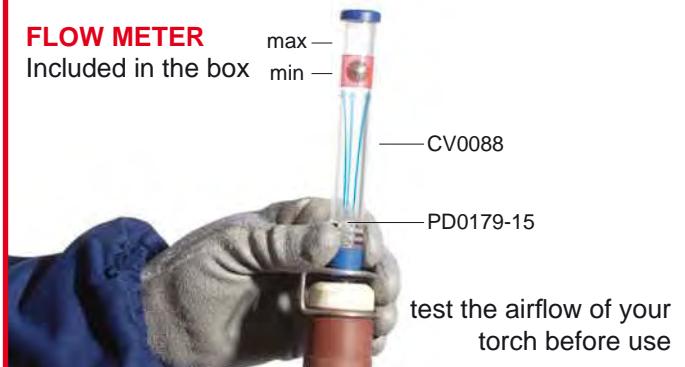
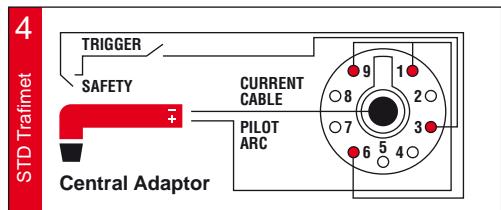


**DRAG****STANDARD**

PA2250	6m	Central Adaptor
PA2251	6m	1/4 G
PA2252	6m	Central Adaptor
PA2253	6m	1/4 G

NO HF 6 m 1 m
 0.7 Kg

V peak	500	5 bar	180 l/min
X 60%	120A	X 100%	90A
			25÷35 mm

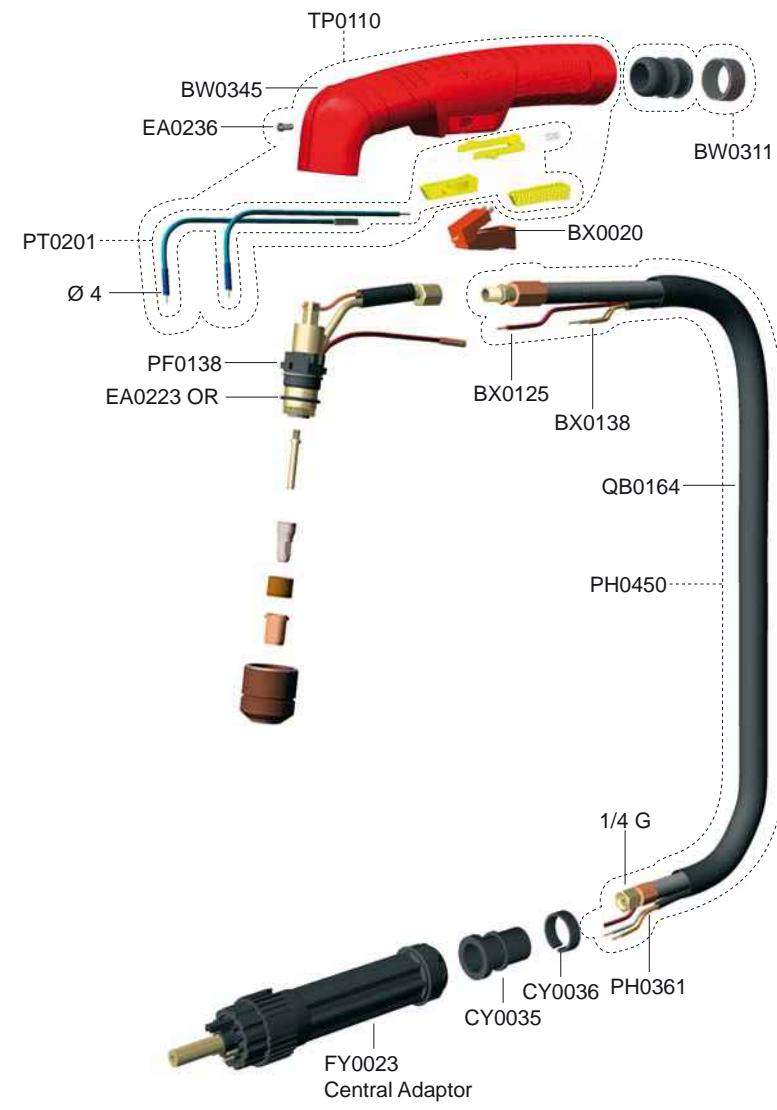
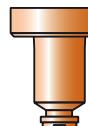


**STANDARD****FH0979****PR0179****PE0179**

\varnothing	Cu	W
1,3	PD0179-13	80A
1,5	PD0179-15	120A

PC0179**CV0229****DRAG****FH0980****PR0279****PE0179**

\varnothing	Cu	W
1,3	PD0279-13	80A
1,5	PD0279-15	120A

PC0279**CV0279****DRAG****STANDARD**

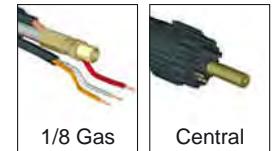
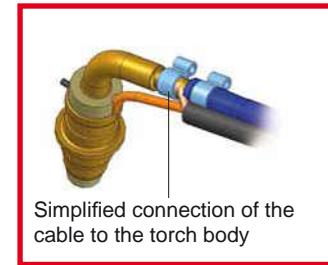
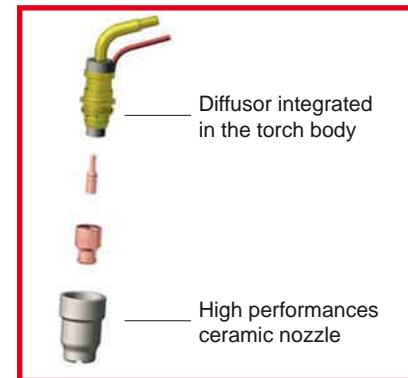
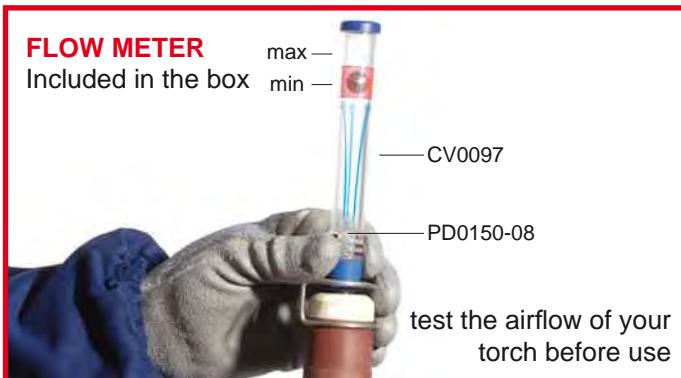
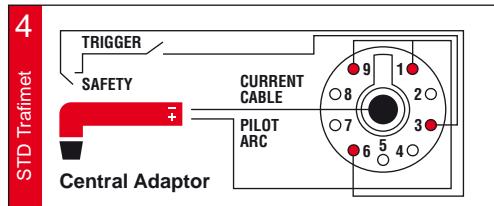
ERGOCUT A 51

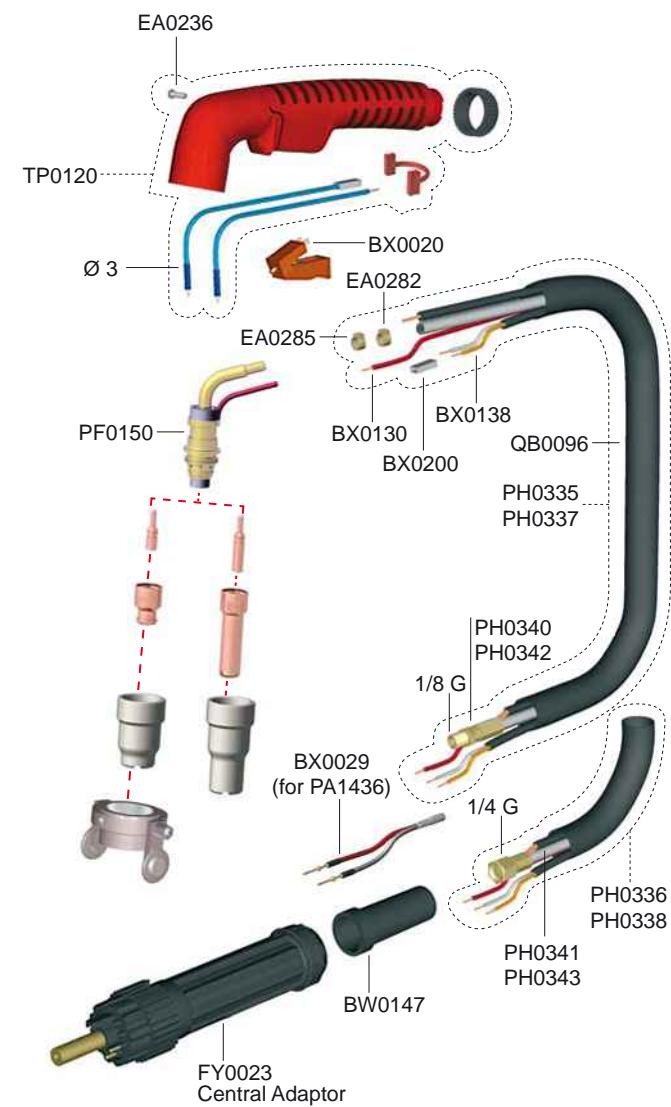
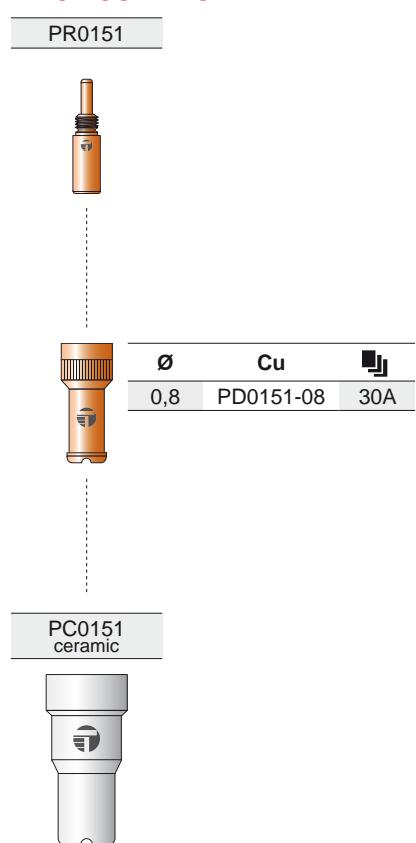
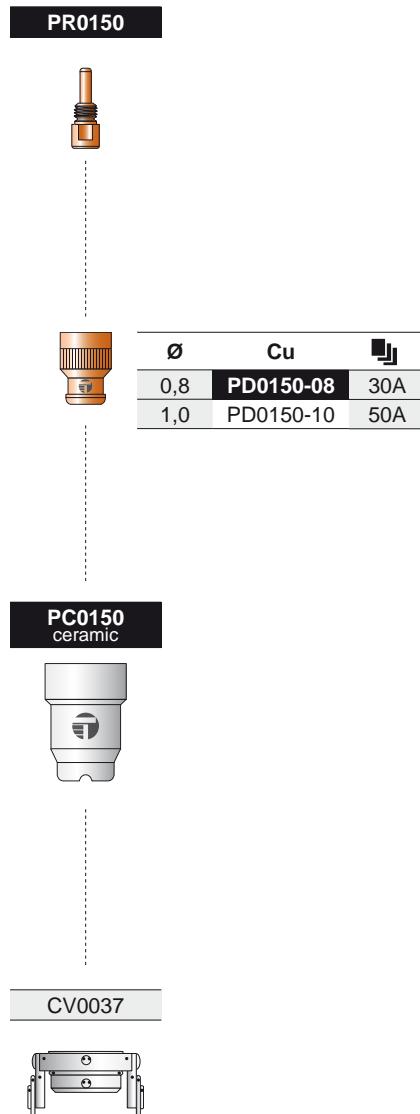


PA1430	4m	1/8 G
PA1432	4m	Central Adaptor
PA1435	6m	1/8 G
PA1436	6m	Central Adaptor



V peak	500	5 bar	165 l/min
X 60%	50A	X 100%	40A



**STANDARD**

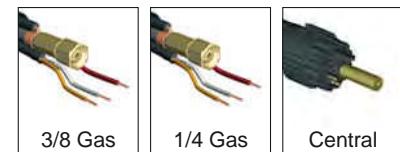
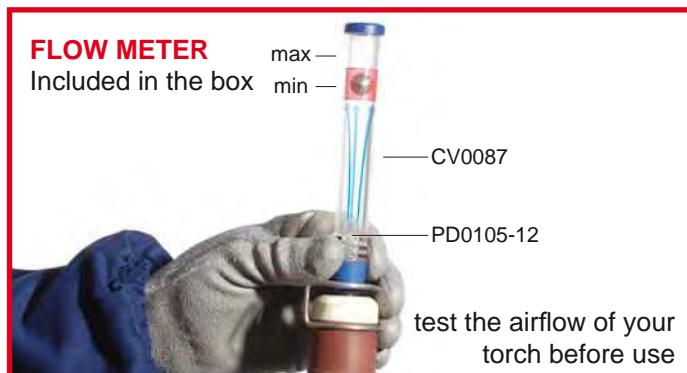
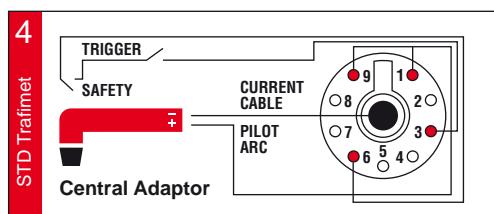
ERGOCUT A 81



PA1400	6m	3/8 G
PA1402	6m	Central Adaptor
PA1404	6m	1/4 G

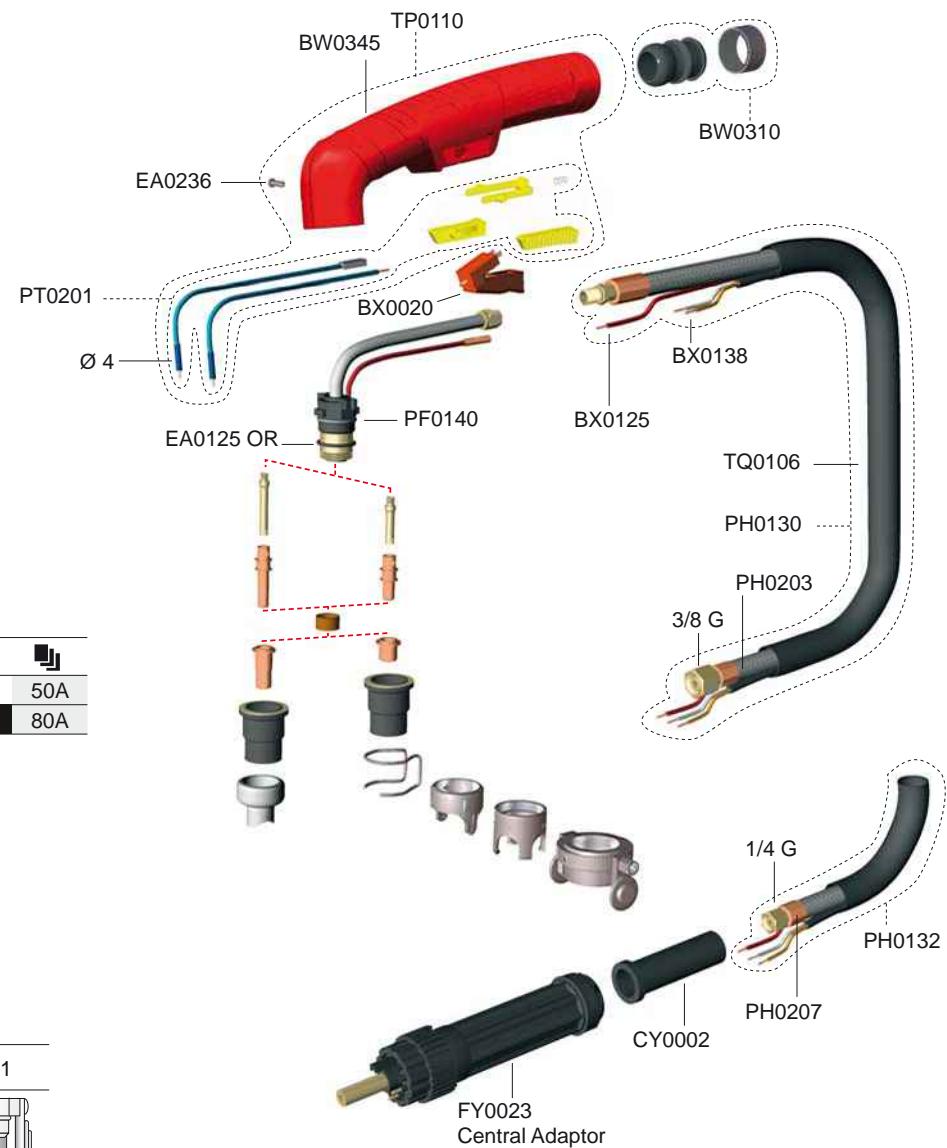
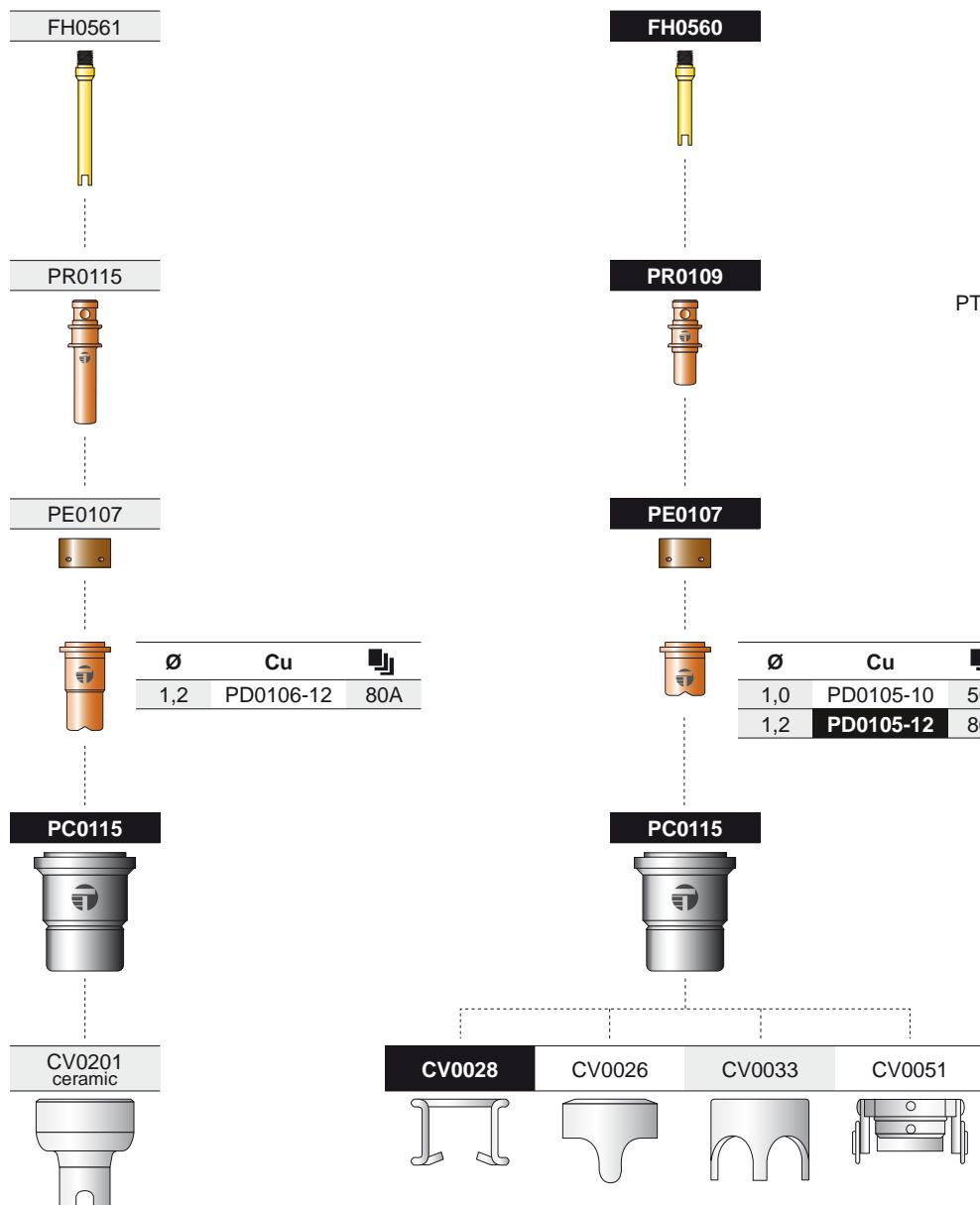


V peak	500	5 bar	155 l/min
X 60%	80A	X 100%	60A





CONTACT CUTTING



STANDARD

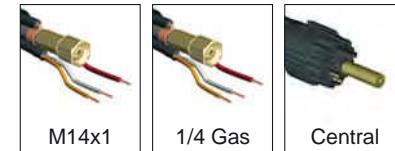
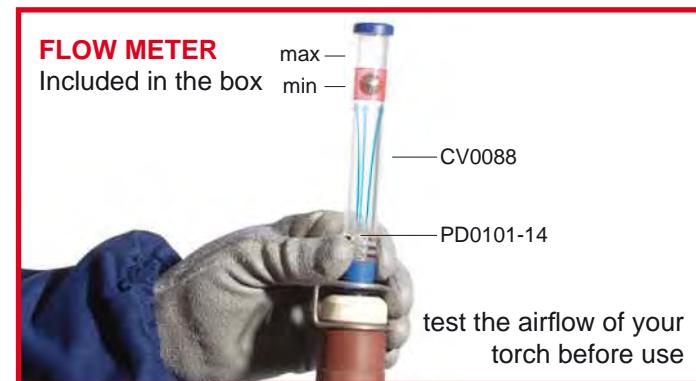
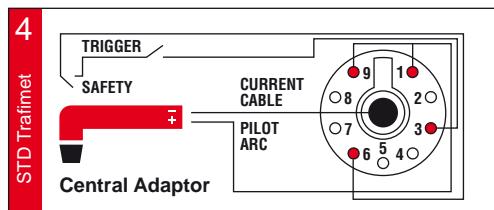
ERGOCUT A 101

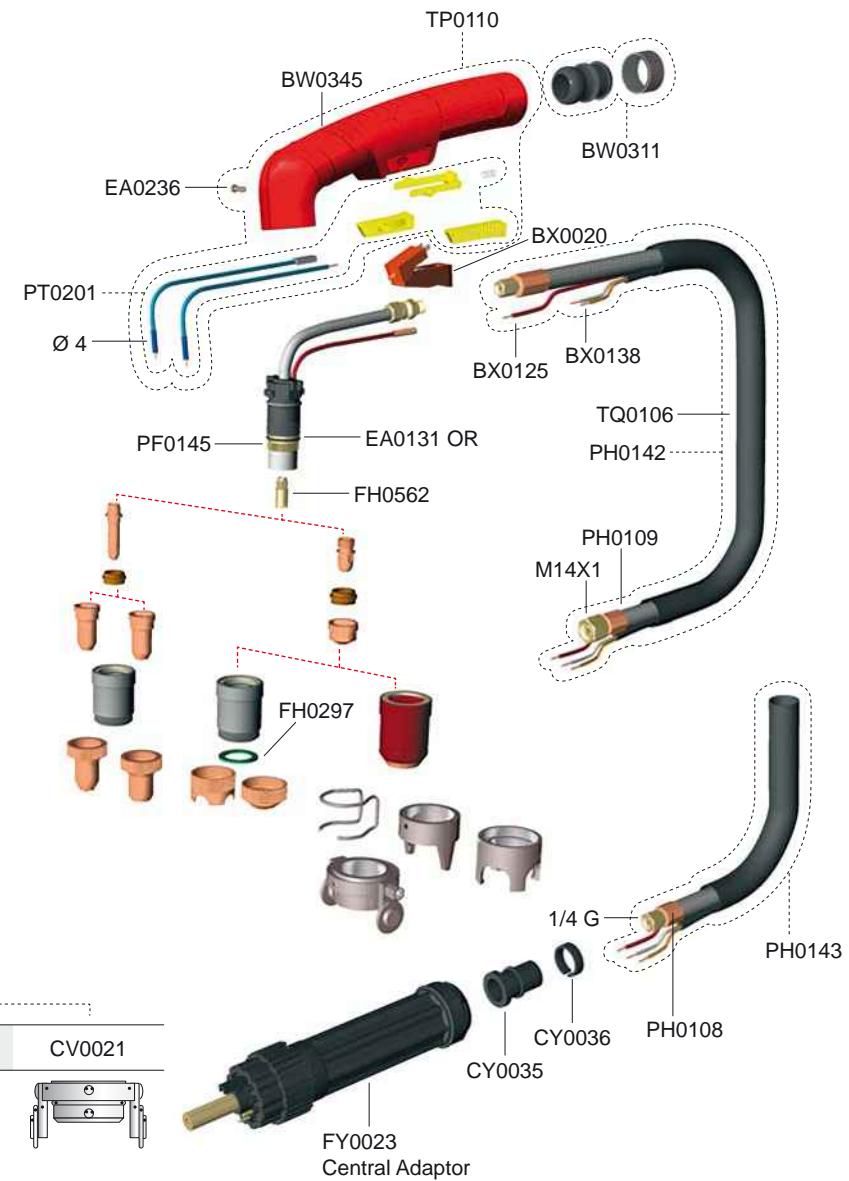
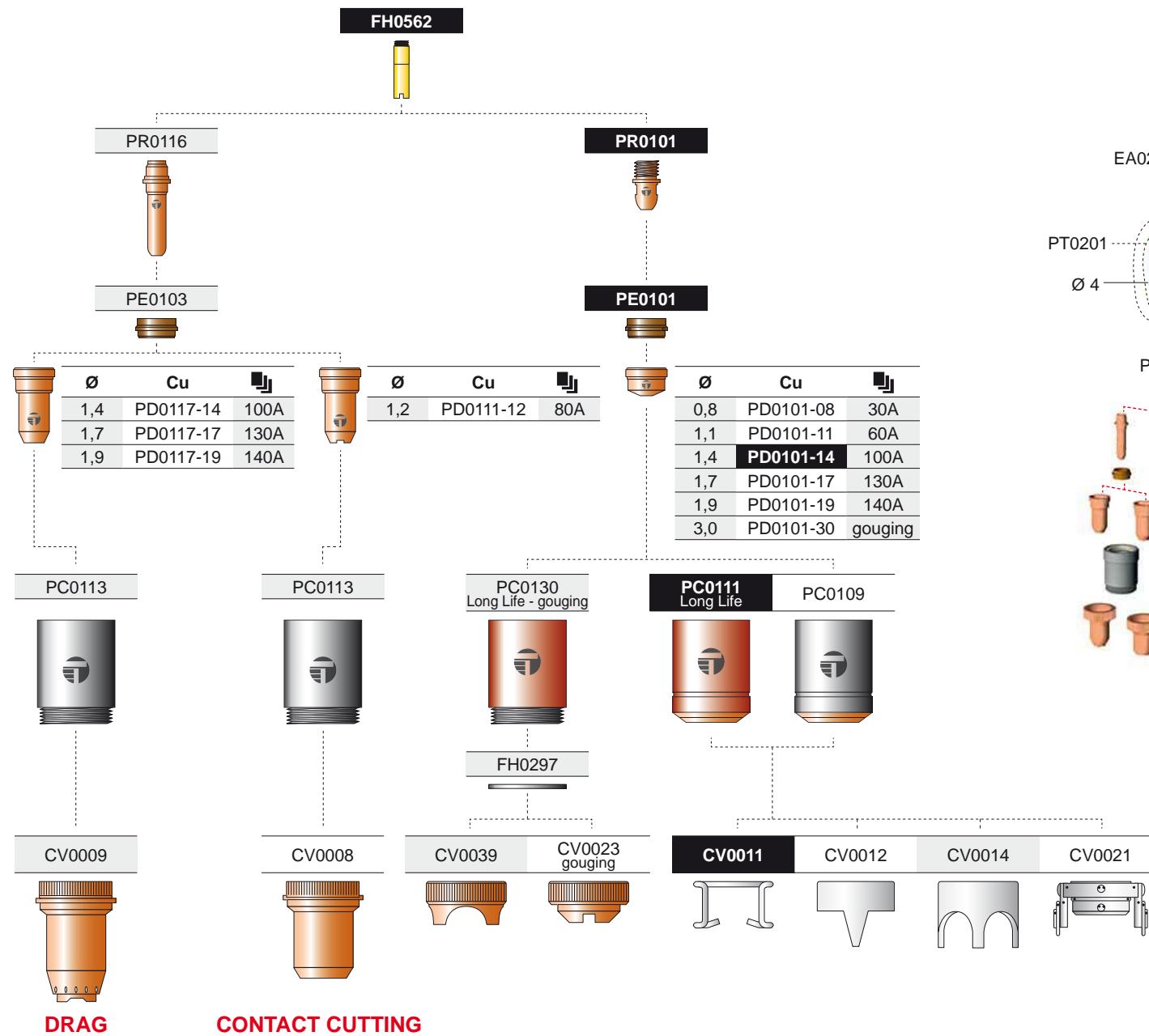


PA1450	6m	M14x1
PA1452	6m	Central Adaptor
PA1454	6m	1/4 G



V peak	500	5 bar	180 l/min
X 60%	100A	X 100%	75A





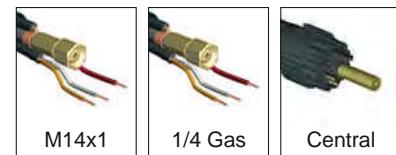
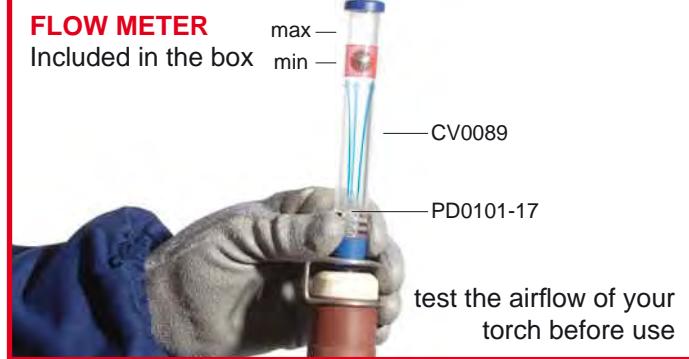
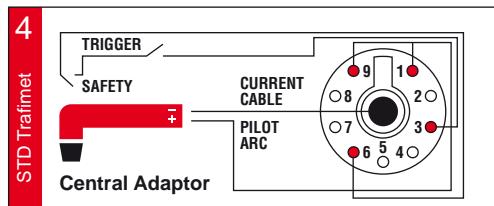
ERGOCUT A 141

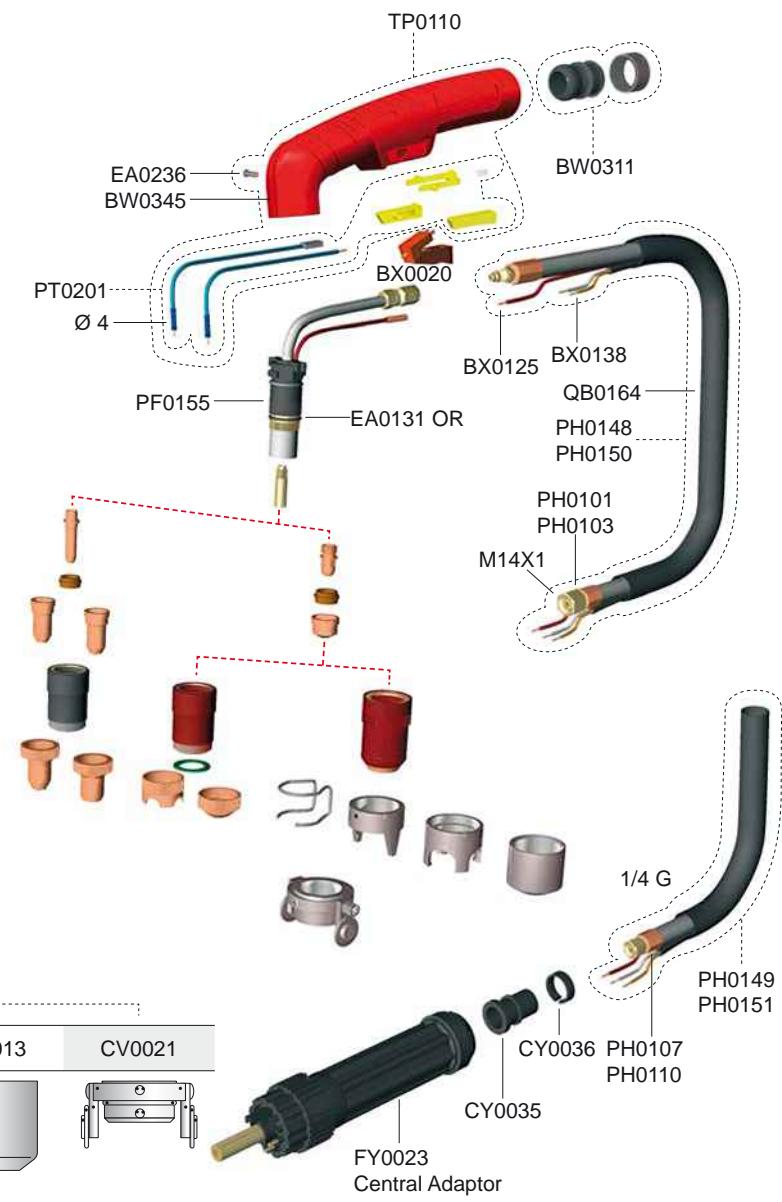
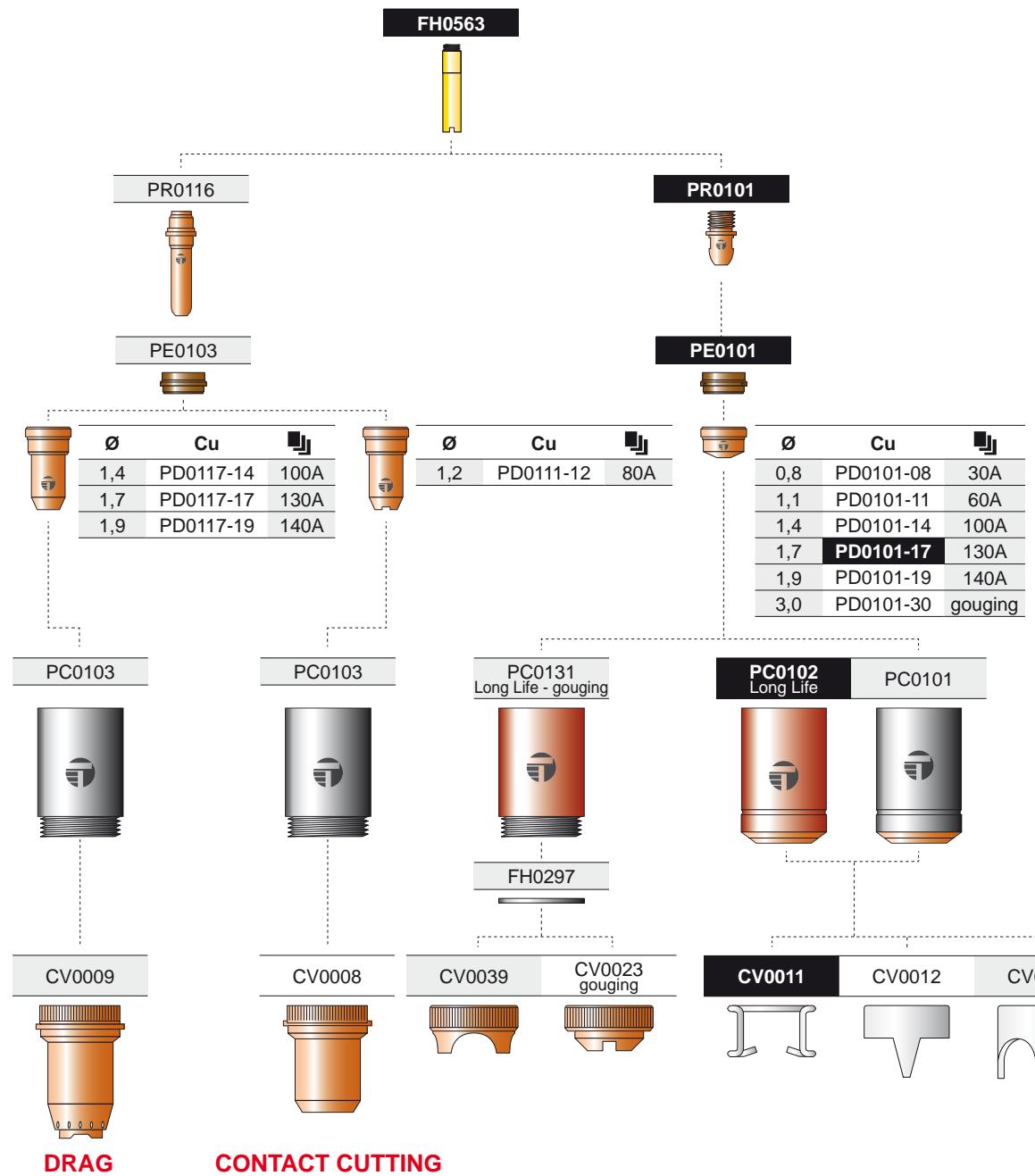


PA1500	6m	M14x1
PA1501	12m	M14x1
PA1502	6m	1/4 G
PA1504	6m	Central Adaptor
PA1505	12m	Central Adaptor



V peak	500	5 bar	210 l/min
X 60%	140A	X 100%	100A





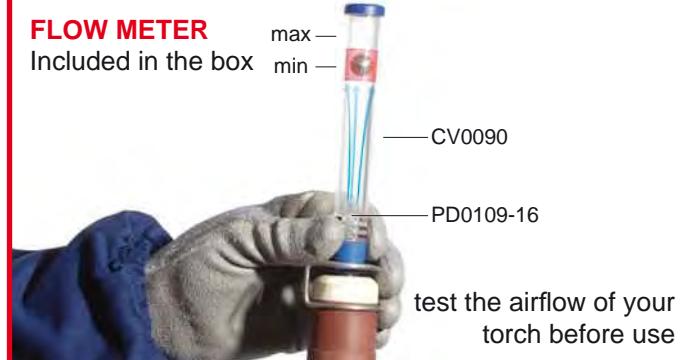
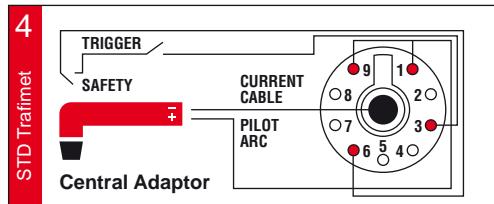
ERGOCUT A 151

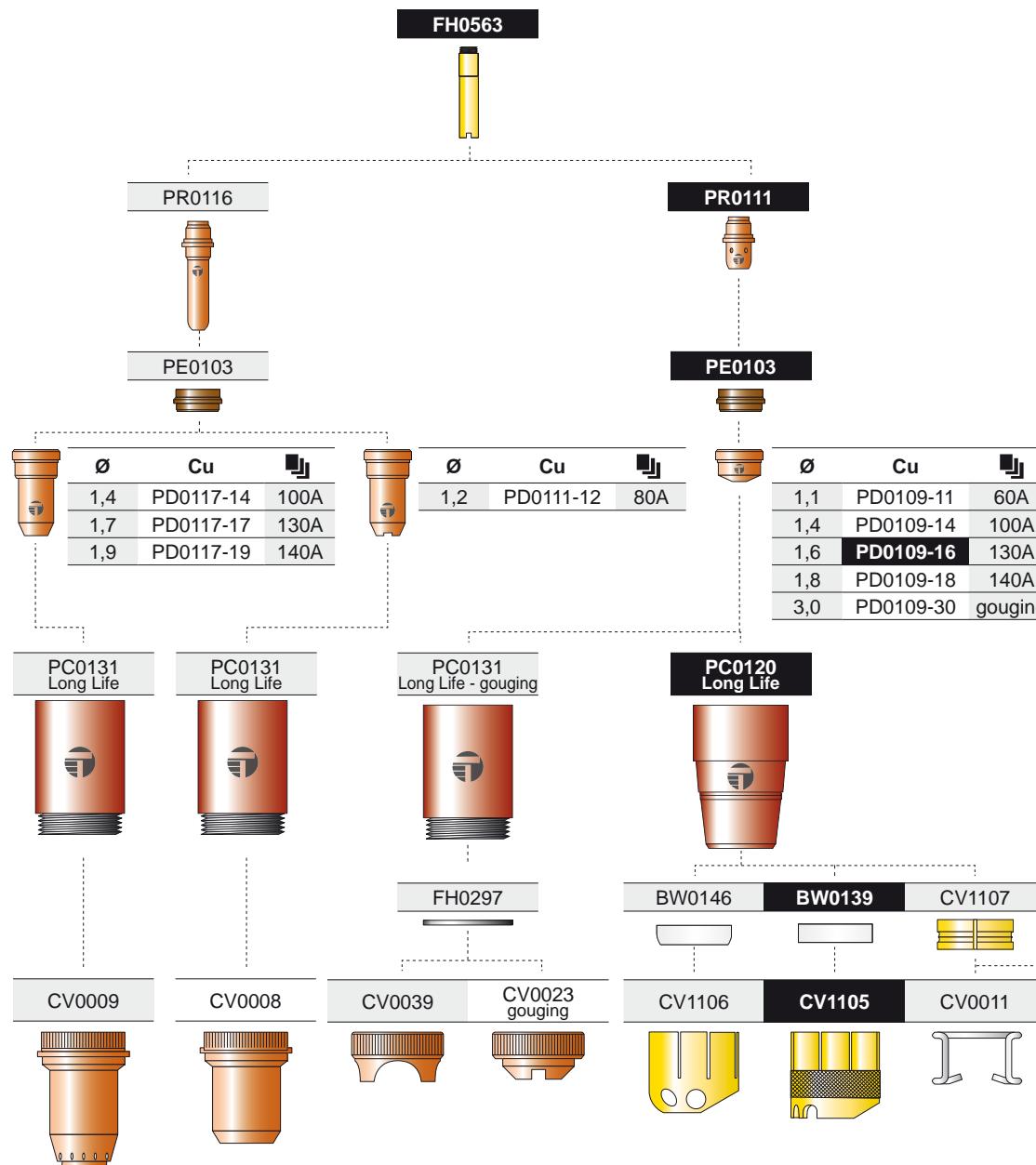


PA1550	6m	M14x1
PA1551	12m	M14x1
PA1552	6m	1/4 G
PA1554	6m	Central Adaptor
PA1555	12m	Central Adaptor



V _{peak}	500	5 bar	230 l/min
X 60%	150A	X 100%	120A



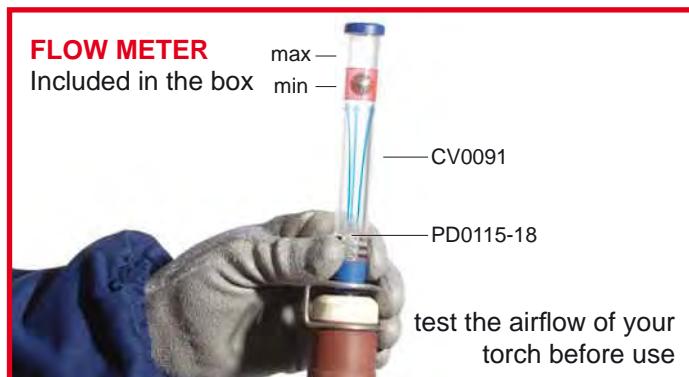
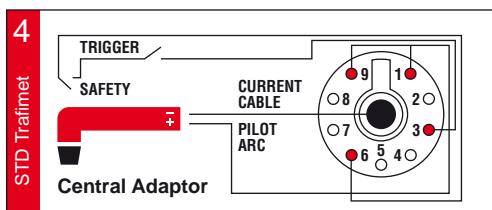
**DRAG****CONTACT CUTTING****STANDARD**



PB0003	6m	Central Adaptor
PB0009	12m	Central Adaptor



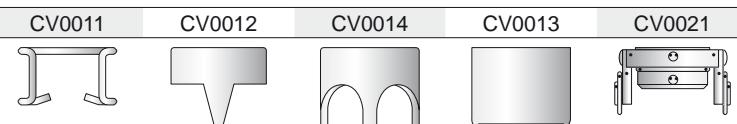
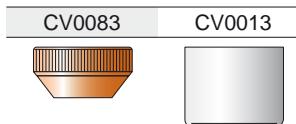
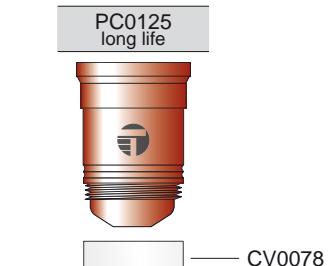
V _{peak} X100%	500 200A	4 bar	50 l/min
2÷4 bar	1.45 l/min	40÷50 mm	



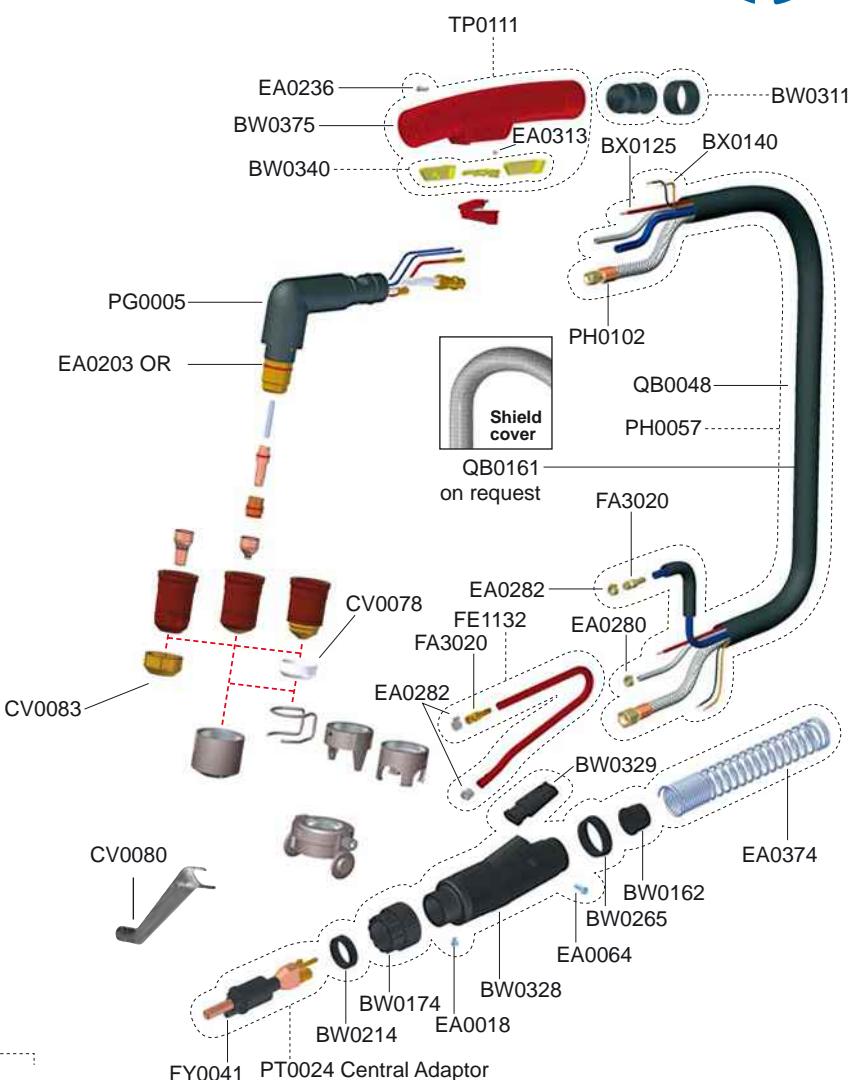


	\varnothing	Cu	
	3,0	PD0113-30	gouging

	\varnothing	Cu	
	1,0	PD0115-10	60A
	1,2	PD0115-12	70A
	1,4	PD0115-14	100A
	1,6	PD0115-16	130A
	1,8	PD0115-18	150A
	2,0	PD0115-20	200A
	3,0	PD0115-30	gouging



GOUGING



STANDARD