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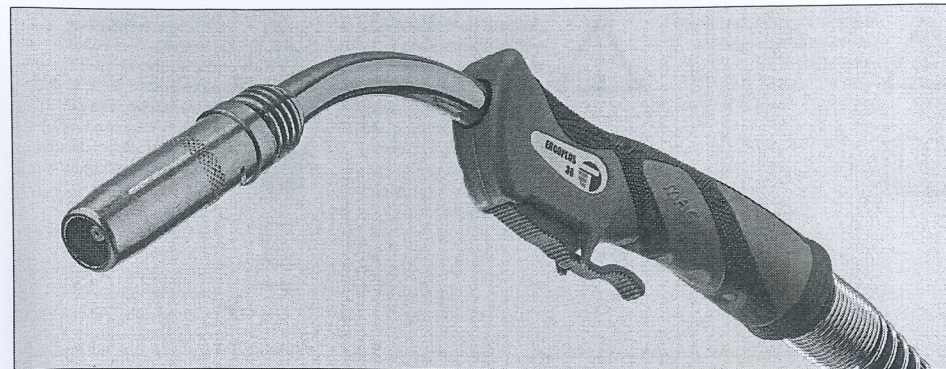
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## ERGOPLUS

15 - 24 - 25 - 26 - 36 - 40



**IT** Manuale d'uso e manutenzione

**EN** Operating and maintenance manual

**DE** Bedienungsanleitung und Wartungshandbuch

**FR** Manuel d'utilisation et d'entretien

**ES** Manual de instrucciones y mantenimiento

**TR** Kullanım ve bakım kılavuzu



















DICHIARAZIONE DI CONFORMITÀ

Il fabbricante Trafimet Group Spa Via del Lavoro, 8 36020 Castegnero (VI) dichiara che i prodotti identificati e descritti in queste pagine sono conformi alle disposizioni della Direttiva Bassa Tensione 2014/35 EU e a quanto prescritto dalle norme armonizzate EN 60974-7 Apparecchiature per la Saldatura ad Arco - Parte 7





AVVERTENZE

|   |   |  |
|---|---|--|
|  <p>Leggere il manuale d'uso e manutenzione prima dell'utilizzo</p> |  <p>Togliere la tensione al generatore prima di procedere con qualsiasi manutenzione. Attendere il raffreddamento della torcia prima di procedere con la manutenzione o comunque prima di sostituire o controllare i ricambi della torcia.</p> |  <p>Togliere tensione al generatore prima di qualsiasi manutenzione della torcia dopo averla fatta raffreddare e comunque prima di sostituire o controllare i ricambi della torcia.</p> <p><b>NO VOLTAGE</b><br/></p> <p>Non disperdere nell'ambiente la torcia e i ricambi usati. A fine vita smaltire secondo le previste norme, vigenti locali, di trattamento dei rifiuti.</p> |
|   |   |  |




PRECAUZIONI DI SICUREZZA

|   |  |   |
|---|--|---|
|  <p>Usare guanti, scarpe e abbigliamento adeguato, secondo le normative vigenti.</p>                                  |  <p>Usare una maschera di protezione. L'arco elettrico è pericoloso per gli occhi. Attenzione alle persone circostanti.</p> |   |
|  <p>I fumi sono dannosi alla salute. Usare degli aspiratori o operare in ambienti ventilati.</p>                    |  <p>Non rivolgere la torcia contro se stessi o contro altre persone.</p>  |  <p>Saldare lontano da liquidi infiammabili.</p> |
|  <p>Non esporre gli utensili elettrici alla pioggia. Non saldare in ambienti molto umidi o con liquidi a terra.</p> |  <p>Non passare con carrelli sopra il cavo di saldatura.</p>  |  <p>Non saldare su superfici verniciate.</p>     |
|  <p>Non eseguire modifiche strutturali alla torcia.</p>   |  |   |







ALLACCIAMENTI

|   |   |  |
|---|---|--|
|  <p>Prima di eseguire l'allacciamento: togliere tensione al generatore, staccare la spina e chiudere l'alimentazione del gas.</p> <p><b>NO VOLTAGE</b><br/></p> |  <p>Prima di connettere la torcia al generatore verificare gli schemi elettrici applicabili inclusi nel manuale.</p> |  <p>Controllare la corretta circolazione del liquido refrigerante per le torce con questo tipo di raffreddamento.</p> |
|---|---|--|

USO

|  |  |  |
|--|--|--|
|  <p>Controllare che la guaina guidafile e il tubetto di contatto corrispondano al diametro del filo da saldare.</p> |  <p>Evitare piegature del fascio cavi o dei tubi per non creare strozzature al passaggio del gas o del liquido refrigerante o provocare un rallentamento del filo di saldatura.</p> |  <p>Non usare la torcia come martello, si danneggiano gli isolanti.</p> |
|--|--|--|

MANUTENZIONE

|   |  |   |
|---|--|---|
|  <p>Togliere tensione al generatore prima di qualsiasi manutenzione della torcia dopo averla fatta raffreddare e comunque prima di sostituire o controllare i ricambi della torcia.</p> <p><b>NO VOLTAGE</b><br/></p>   |  <p>Sostituire il tubetto di contatto qualora presenti il foro allargato o deformato.</p>                               |  <p>Pulire periodicamente l'interno dell'ugello e i fori del diffusore gas. Usare uno spray antiadesivo.</p> |
|  <p>Sostituire la guaina guidafile quando risulta avere il foro intasato e/o quando il filo non scorre più bene. Inserire la guaina a torcia distesa. Smussare la testa della guaina prima della sostituzione per facilitarne l'inserimento. Non ci devono essere bave sul foro dove scorre il filo. In caso contrario pulire/smussare la testa della guaina con un angolo di 40°.</p> |  <p>Controllare il buon stato del cavo e dell'impugnatura. Per le riparazioni rivolgersi a personale qualificato.</p> |   |





**DECLARATION OF CONFORMITY**

Trafimet Group Spa, a duly registered Italian Manufacturing Company, located in Via del Lavoro, 8 36020 Castegnero (VI), hereby declares that products identified and described on these pages are in conformity with the provisions of Low Voltage Directive 2014/35 EU and in compliance with the standards set by EN 60974-7 Arc Welding Equipment - Part 7

**WARNINGS**



Please read carefully the operating and maintenance manual before use.



Turn the welding machine's power off before maintenance on the torch. Replacement of any spare parts or maintenance operations must be carried out once the torch has been cooled.



**NO VOLTAGE**



Turn welding machine's power off before maintenance on the torch. Replacement of any spare part or maintenance operations must be carried out once torch has been cooled.



Dispose of this product responsibly after use. Torches and used parts should be properly recycled according to the local requirements/regulations.

**SAFETY PRECAUTIONS**



Operators must use gloves and suitable workwear in accordance with local regulations.



Use a protection helmet. Arc is dangerous to the eyes. Nearby people should wear eye protection devices.



Fumes are hazardous for health. Use fume suction systems or operate in ventilated areas only.



Turn the torch away from yourself and others.



Operate the welding torch away from flammable material.



Do not expose power tools to rain. Do not operate the welding torch in areas with a high humidity level or on wet surfaces/floors.



Forklifts shall avoid running over torch cables.



Do not weld on painted surfaces.



Do not modify or implement structural changes to the torch.

**CONNECTION**



Before connecting the torch, switch the welding machine off, disconnect the power plug and shut the gas supply off.

**NO VOLTAGE**



Before connecting the torch to the welding machine, verify the correct electrical connections as per the enclosed wiring diagrams, where applicable.



Check the coolant circulation/flow for torches using such kind of cooling system.

**USE**



Make sure that the liner and contact tip match the diameter of the welding wire.



Do not bend cables and hoses in order to avoid damages that may inhibit the correct circulation of gas and coolant.



Torches must not be used for other tooling purposes (i.e., as hammer)

**MAINTENANCE**



Turn the welding machine's power off before maintenance of the torch. Replacement of any spare parts or maintenance operations must be carried out once the torch has been cooled.

**NO VOLTAGE**



Replace the contact tip if the hole is enlarged or the shape has changed.



Periodically clean the inside of the nozzle and holes of gas diffuser. Use an anti-adhesive spray.

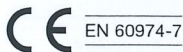


Replace the liner if the hole is obstructed and/or the wire no longer slides properly. Extend the cable before fitting the liner. Blunt the end of the liner before the replacement, to facilitate its insertion. There shouldn't be any burrs on the thread sliding hole. If you see any burr, try to clean or rasp/sharpen the liner beginning with an angle of 40°.



Periodically check the cable and handle conditions. Repairs should only be made by qualified personnel.





## DIE KONFORMITÄTSERLÄRUNG

Die Firma Trafimet Group Spa Via del Lavoro, 8 36020 Castegnero (VI) erklärt, dass die in diesen Seiten identifizierten und beschriebenen Produkte den Bestimmungen der Niederspannungsrichtlinie 2014/35 EU und der EN 60974-7 Lichtbogenschweißeinrichtungen – Teil 7 entspricht.

## ANWEISUNG



Vor dem Gebrauch lesen Sie die Bedienungsanleitung.



Die Inbetriebnahme und die Instandhaltungsarbeiten des Brenners sind ausschließlich vom Fachpersonal durchzuführen. Qualifiziertes Personal ist in der Lage den Brenner unter Einhaltung der Normen zu betreiben und mögliche Gefahren zu erkennen.



Vor der Wartung, Inspektion oder dem Austausch von Verschleißteilen ist die Schweißanlage auszuschalten.

NO VOLTAGE



Entsorgen Sie das Produkt nicht in der Umwelt. Benutzte Teile sind immer ordnungsgemäß (gemäß den geltenden lokalen Abfallbehandlungsvorschriften) zu entsorgen.



## SICHERHEITSHINWEISE



Immer ausreichend geschützte Handschuhe und Arbeitskleidung tragen.



Immer einen Augenschutz tragen, da beim Zünden und Schweißen UV-Strahlen entstehen, die das Auge verletzen können. Beistehende Mitarbeiter sollten niemals ohne ausreichenden Augenschutz den Schweißvorgang beobachten.



Plasmaschneiden sollte nur in gut belüfteten Räumen bzw. mit einer ausreichend dimensionierten Absauganlage vorgenommen werden. Der entstehende Plasmastaub ist gesundheitsschädigend.



Brenner immer von sich weg halten. Niemals ohne ausreichenden Augenschutz schweißen.



Niemals in der Nähe von entflammaren Materialien schweißen.



Niemals in feuchten Räumen schweißen.



Alle Kabel und Leitungen vor Beschädigungen schützen.



Nicht auf lackierten Materialien schweißen.



Keine baulichen Veränderungen an dem Brenner durchführen.

## ANSCHLUSS



Vor den Anschluß ist die Verbindung zum Generator zu trennen. Ziehen Sie den Stecker und schließen Sie die Gasversorgung.

NO VOLTAGE



Bevor Sie den Schweißbrenner mit dem Schweißgerät verbinden, stellen Sie sicher, dass die verfügbare Netzspannung laut dem beigefügten Schaltbild, den Angaben des Geräts entspricht.



Bitte den korrekten Wasserdurchfluß am Wasserkühlgerät kontrollieren, damit der Brenner mit ausreichender Kühlung versorgt wird. Eine zu geringe Wassermenge kann zu Überhitzung des Brennerkopfes und des Stromkabels führen.

## ANWENDUNG



Die Stromdüse und die Führungsspirale müssen dem zu verwendenden Drahtdurchmesser entsprechen.



Um einen optimalen Gas- bzw. Wasserdurchfluss zu gewährleisten, sollten die Schlauchpakete bzw. Gas- und Wasserschläuche nicht in zu engen Schleifen verlegt werden. Abgeknickte Schläuche führen zu Überhitzung und Beschädigung der Brenner.



Den Brenner niemals als eine Art Werkzeughammer benutzen.

## WARTUNG



Vor Wartung, Inspektion oder dem Auswechseln von Verschleißteilen ist die Schweißanlage auszuschalten.

NO VOLTAGE



Die Stromdüse sollte ersetzt werden, wenn die Bohrung deformiert bzw. ausgewaschen ist.



Die Gasdüse sollte in regelmäßigen Abständen innen gereinigt werden, damit keine Ablagerungen von Schweißspritzern einen Kurzschluß erzeugen können. Verwenden Sie ein silikonfreies Antihalt-Spray.



Die Führungsspirale sollte bei verstopfter Bohrung ausgetauscht werden. Bei Montage einer neuen Spirale, bitte die ordnungsgemäße Installation beachten. Ziehen Sie das Kabel vor der Montage der Führungsspirale gerade. Stumpfen Sie das Ende der Führungsspirale vor dem Austausch ab, um sein Einführen zu erleichtern. Das Gewindegleitloch sollte keine Grate aufweisen. Wenn Sie einen Grat sehen, versuchen Sie, die Führungsspirale zu reinigen oder zu schärfen, beginnend mit einem Winkel von 40°.



Kabel und Zuleitung vor Beschädigungen schützen und kontrollieren.





DECLARATION DE CONFORMITE'

Le fabricant Trafimet Group Spa Via del Lavoro, 8 36020 Castegnero (VI) déclare que les produits identifiés et décrits dans ces pages sont conforme avec les dispositions de la Directive Basse Tension 2014/35 EU et les dispositions des normes harmonisées EN 60974-7 Équipement soudage à l'arc - Partie 7

AVERTISSEMENTS

|   |  |  |
|---|--|--|
| <br>Lire le manuel d'usage et d'entretien avant utilisation | <br>La mise en service de la torche et la maintenance doit être effectuée par personnel qualifié. Le personnel qualifié sont des personnes en mesure d'opérer en conformité avec les normes et d'évaluer et reconnaître les dangers possibles. | <br>Arrêter le générateur après que la torche soit refroidie et avant chaque entretien.<br><br><br>NO VOLTAGE<br>OFF<br>Éviter le rejet dans l'environnement. Après usage, éliminer le produit conformément aux réglementations locales en vigueur pour le traitement des déchets. |
|   |  |  |

PRÉCAUTIONS DE SÉCURITÉ

|   |  |   |
|---|--|---|
| <br>Utiliser des gants et un vêtement appropriés.   | <br>Utiliser un masque de protection. L'arc est dangereux pour les yeux. Protéger les gens à votre côté. |   |
| <br>Les fumées sont nuisibles pour la santé. Utiliser des aspirateurs ou travailler dans un environnement aéré. | <br>Ne pas tourner la torche contre vous-même.   | <br>Souder loin des liquides inflammables.  |
| <br>Ne pas souder dans un environnement humide.   | <br>Ne pas passer sur le câble de la torche avec des chariots, fenwick, etc.                             | <br>Ne pas souder sur des surfaces peintes. |
| <br>Ne pas effectuer de modifications structurelles sur la torche.  |  |   |

CONNEXION

|   |   |   |
|---|---|---|
| <br>Avant de procéder à la connexion: coupez l'alimentation du générateur, débrancher la prise et arrêter l'alimentation en gaz.<br><br>NO VOLTAGE<br>OFF | <br>Avant de brancher la torche au générateur, vérifiez les schémas de câblage applicables inclus dans le manuel. | <br>Contrôler la bonne circulation du liquide réfrigérant pour les torches avec ce type de refroidissement. |
|---|---|---|

UTILISATION

|   |   |   |
|---|---|---|
| <br>Contrôler si la gaine guide fil et le tube contact correspondent au diamètre du fil de soudure. | <br>Ne pas plier étroitement housse du faisceau de câbles ou tuyaux afin d'éviter des étranglements du passage gaz ou du liquide réfrigérant. | <br>Pas taper l'extrémité de la torche. |
|---|---|---|

ENTRETIEN

|  |  |   |
|--|--|---|
| <br>Arrêter le générateur après que la torche soit refroidie et avant chaque entretien et avant remplacer ou contrôler les pièces d'usure.<br><br>NO VOLTAGE<br>OFF  | <br>Si le diamètre interne du tube contact est élargie ou déformé, le remplacer. | <br>Nettoyer périodiquement l'intérieur de la buse et les trous du diffuseur gaz. Utiliser un vaporisateur anti-adherent. |
| <br>Remplacer la gaine si le trou es obstrué et s'il n'avance pas bien. Allonger le câble de la torche avant d'installer la gaine. Arrondir la tête de la gaine pour favoriser le remplacement. S'assurer de n'avoir pas de bavures sur le trou coulissant de fil. Dans le cas contraire nettoyer ou aiguiser la tête de la gaine par un angle de 40°. | <br>Contrôler le bon état du câble. Ne pas effectuer des réparations de fortune. |   |





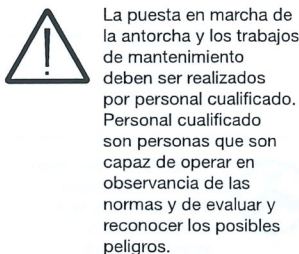
DECLARACIÓN DE CONFORMIDAD \*

El fabricante Trafimet Group Spa Via del Lavoro, 8 36020 Castegnero (VI) declara que los productos identificados y descritos en estas páginas están en conformidad con las disposiciones de la Directiva de Baja Tensión 2014/35 EU y las disposiciones de las normas EN 60974-7 Equipos para la soldadura por arco - Parte 7

ADVERTENCIAS



Leer el manual de instrucciones y mantenimiento antes de utilizar.



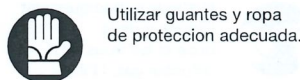
La puesta en marcha de la antorcha y los trabajos de mantenimiento deben ser realizados por personal cualificado. Personal cualificado son personas que son capaz de operar en observancia de las normas y de evaluar y reconocer los posibles peligros.



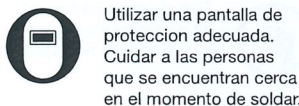
Quitar la tensión al generador antes de cualquier mantenimiento y antes de substituir o verificar los repuestos de la antorcha, da todas formas, después de haber dejado enfriar la antorcha misma. verificar los repuestos

No deseche el producto en el medio ambiente. Al final de su vida útil, deseche el producto de acuerdo con las regulaciones/ obligaciones locales.

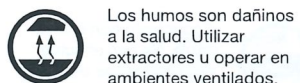
NORMAS DE SEGURIDAD



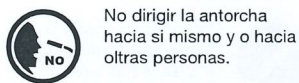
Utilizar guantes y ropa de proteccion adecuada.



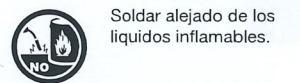
Utilizar una pantalla de proteccion adecuada. Cuidar a las personas que se encuentran cerca en el momento de soldar.



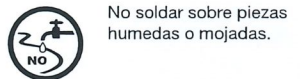
Los humos son dañinos a la salud. Utilizar extractores u operar en ambientes ventilados.



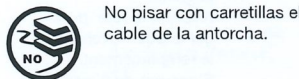
No dirigir la antorcha hacia si mismo y o hacia otras personas.



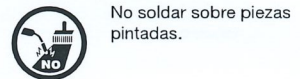
Soldar alejado de los liquidos inflamables.



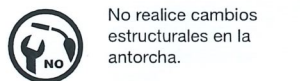
No soldar sobre piezas humedas o mojadas.



No pisar con carretillas el cable de la antorcha.

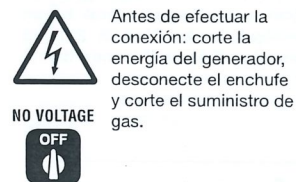


No soldar sobre piezas pintadas.

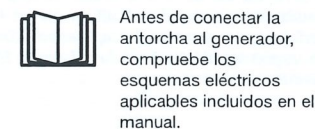


No realice cambios estructurales en la antorcha.

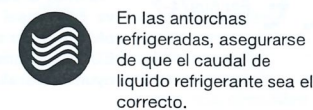
CONEXIONES



Antes de efectuar la conexión: corte la energía del generador, desconecte el enchufe y corte el suministro de gas.

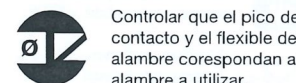


Antes de conectar la antorcha al generador, compruebe los esquemas eléctricos aplicables incluidos en el manual.

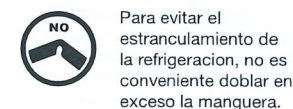


En las antorchas refrigeradas, asegurarse de que el caudal de liquido refrigerante sea el correcto.

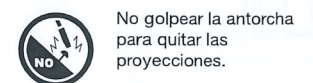
USO



Controlar que el pico de contacto y el flexible del alambre correspondan al alambre a utilizar.



Para evitar el estrangulamiento de la refrigeracion, no es conveniente doblar en exceso la manguera.

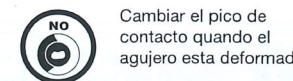


No golpear la antorcha para quitar las proyecciones.

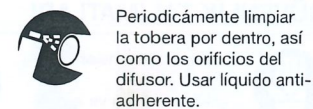
MANTENIMIENTO



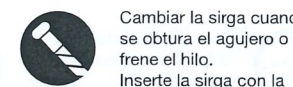
Quitar la tensión al generador antes de cualquier mantenimiento y antes de substituir o verificar los repuestos de la antorcha, da todas formas, después de haber dejado enfriar la antorcha misma.



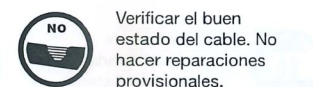
Cambiar el pico de contacto cuando el agujero esta deformado.



Periódicamente limpiar la tobera por dentro, así como los orificios del difusor. Usar líquido anti-adherente.



Cambiar la sirga cuando se obtura el agujero o se frene el hilo. Inserte la sirga con la antorcha estirada. Alisar el cabezal de la sirga antes del reemplazo, para facilitar su inserción. No debe haber rebabas en el agujero por donde se desliza el hilo. Si no, limpie/despunte el cabezal de la sirga en un ángulo de 40 °.



Verificar el buen estado del cable. No hacer reparaciones provisionales.





## UYGUNLUK BEYANI

Trafimet Group SPA, Via del Lavoro, 8 36020 Castegnero (VI) adresinde faaliyet gösteren ve ilgili yasal mevzuat uyarınca kayıt altına alınan İtalyan üretim firması olarak beyan olunur ki; bu sayfalarda tanımlanan ve açıklanan ürünler, Alçak Gerilim Direktifi 2014/35 EU hükümlerine uygun ve EN 60974-7 Ark Kaynak Ekipmanları (Bölüm 7) standartlarına uyumlu olarak üretilmişlerdir.

## UYARILAR



Ürünleri kullanmaya başlamadan önce bu kılavuzu dikkatlice okuyunuz.



Torcun ilk kullanımı ve tüm bakım işlemleri kalifiye personel tarafından yapılmalıdır. Burada sözü edilen kalifiye personelden anlaşılması gereken; yukarıda belirtilen ilgili direktif ve standartlara uygun olarak çalışan, kaynak torçlarının kullanımı esnasında ortaya çıkabilecek olası risk ve tehlikelerin farkına varabilecek ve gerekli tedbirleri alabilecek personeldir.



NO VOLTAGE



Torç üzerinde bakım yapmaya başlamadan önce kaynak makinesini kapalı konuma getiriniz. Tüm yedek parçaların değişimi yada bakımı ancak torç soğuduktan sonra yapılmalıdır.

Ürünleri, kullanım sonrasında bilinçli bir şekilde bertaraf ediniz. Torç ve kullanılan parçalar ilgili yerel gereklilikler ve düzenlemeler çerçevesinde geri dönüşüme tabi tutulmalıdır.



## GÜVENLİK TALİMATLARI



Yerel düzenlemelere uygun olacak şekilde eldiven ve iş kıyafetlerinin kullanılması gerekmektedir.



Koruyucu maske kullanınız. Ark ışını gözleriniz için zararlıdır. Kaynak alanına yakın diğer kişilerin de göz koruyucu ekipman kullanması gerekmektedir.



Kaynak dumanı sağlığınıza zararlıdır. Duman emiş sistemli davlumbaz altında ya da havadar alanda çalışınız.



Torcu kendinizden ve diğer insanlardan uzakta tutunuz.



Torcunuzu yanıcı ve alev alabilen malzemelerden uzak tutunuz.



Akım iletimi olan parçaları yağmur altında, yüksek nem düzeyine sahip ortamlarda ya da ıslak zeminlerde kullanmayınız.



Forklift, transpalet vb. taşıyıcı ekipmanların torç kabloları üzerinden geçmemesi gerekmektedir.



Boyalı yüzeyler üzerinde kaynak yapmayınız.



Torç üzerinde herhangi bir yapısal değişiklik veya modifikasyon yapmayınız.

## BAĞLANTI



NO VOLTAGE



Torç bağlantısını yapmadan önce kaynak makinesini kapalı konuma getiriniz, elektrik fişini çıkarınız ve gazı kapatınız.



Torcu kaynak makinesine bağlamadan önce, elektriksel bağlantıların doğruluğunu ekteki kablo şemalarına göre teyit ediniz.



İlave soğutma ünitesi kullanılan torç modelleri için, lütfen soğutma sıvısının akış hızını ve tıkanıklık olup olmadığını kontrol ediniz.

## KULLANIM



Kontakt memeninin ve spiralın kullanılacak olan kaynak tel çapına uygun olup olmadığını kontrol ediniz.



Koruyucu gaz ve soğutma sıvısının akışını engelleyecek şekilde torç kablo ve hortumlarını bükmeyiniz. Aksi takdirde birtakım zararlar ortaya çıkacaktır.



Torç ile amacı dışında kullanım yapmayınız (çekmiş şeklinde kullanmak gibi).

## BAKIM



NO VOLTAGE



Torç üzerinde bakım yapmaya başlamadan önce kaynak makinesini kapalı konuma getiriniz. Tüm yedek parçaların değişimi yada bakımı ancak torç soğuduktan sonra yapılmalıdır.



Kontakt memeninin delik çapı genişlemiş ya da şekli bozulmuş ise yenisi ile değiştiriniz.



Nozulun içini ve gaz dağıtıcının deliklerini periyodik olarak temizleyiniz. Çapak önleyici sprey kullanınız.



Spiral deliği tıkalı ise spirali yenisi ile değiştiriniz. Spirali torcun içine yerleştirmeden önce torcunuzu düz bir zemin üzerine uzatınız. Spiral ucunun düzgün kesilip kesilmediğini kontrol ediniz. Kesimden kaynaklanan herhangi bir çapak vb. içeri bükülme olmamalıdır. Eğer var ise, lütfen çapağı temizlemeye çalışınız ya da kesim ucunun 40° olacak şekilde törpüleyiniz/kesiniz.



Akım kablosunun ve kabzanın durumunu periyodik olarak kontrol ediniz. Gerekli tamirat sadece kalifiye personel tarafından yapılmalıdır.





# MIG WELDING (GMAW) TORCHES

## ERGOPLUS 15



CE EN60974-7

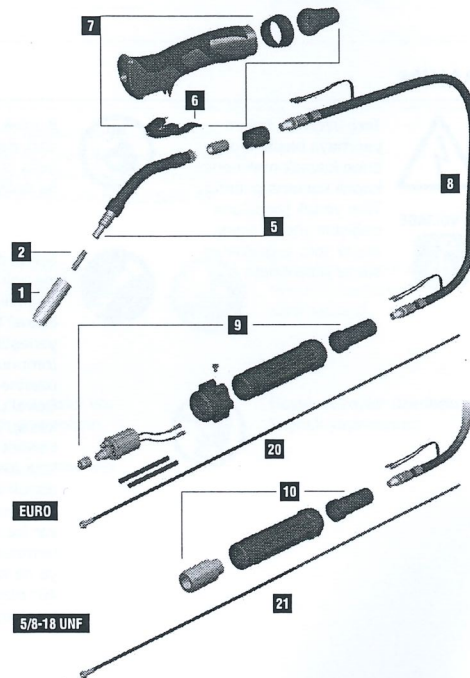
| CODE   | ↔   |       |      |   |
|--------|-----|-------|------|---|
| MA7043 | 3 m | 10'   |      | 1 |
| MA7044 | 4 m | 12'   |      | 1 |
| MA7045 | 5 m | 16.4' | EURO | 1 |

| CODE   | ↔   |       |      |    |
|--------|-----|-------|------|----|
| MA7094 | 3 m | 10'   |      | 25 |
| MA7095 | 4 m | 12'   |      | 25 |
| MA7096 | 5 m | 16.4' | EURO | 25 |

| CODE   | ↔   |       |            |   |
|--------|-----|-------|------------|---|
| MA7090 | 3 m | 10'   |            | 1 |
| MA7091 | 4 m | 12'   |            | 1 |
| MA7092 | 5 m | 16.4' | 5/8-18 UNF | 1 |

| CODE   |                  | CODE   |                   |
|--------|------------------|--------|-------------------|
| AR0170 | Tweco® 1-4 kit   | AR0176 | Lincoln® "L4" kit |
| AR0171 | Tweco® 5 kit     | AR0177 | Lincoln® "L2" kit |
| AR0172 | Lincoln® "L" kit | AR0178 | Lincoln® "L3" kit |
| AR0173 | Miller® "M" kit  | AR0179 | Lincoln® "L1" kit |

| TECHNICAL DATA |                     |               |
|----------------|---------------------|---------------|
| ERGOPLUS 15    |                     |               |
|                | 0,6 kg              | 1.32 lb       |
|                | 113                 |               |
|                | 0,6 ÷ 1,0 mm        | .023" ÷ 1/16" |
|                | 180A CO2 - 150A Mix |               |



|    | CODE      |  |  | Ø                             | ↔                    | REF        |    |
|----|-----------|--|--|-------------------------------|----------------------|------------|----|
| 1  | MC0017    |  | nozzle                                       | 9,5 mm<br>3/8"                | 53 mm<br>2-1/16"     | 145.0123   | 10 |
| 1  | MC0018    |  | nozzle                                       | 12 mm<br>1/2"                 | 53 mm<br>2-1/16"     | 145.0075   | 10 |
| 1  | MC0019    |  | nozzle                                       | 16 mm<br>5/8"                 | 53 mm<br>2-1/16"     | 145.0041   | 10 |
| 1  | MC0020    |  | nozzle                                       | 16 mm<br>5/8"                 | 61,5 mm<br>2"-13/32" | 145.0168   | 10 |
| 1  | MC0266    |  | nozzle                                       | 13 mm<br>1/2"                 | 53 mm<br>2-1/16"     | 145.0143   | 10 |
| 2  | MD0008-06 |  | M6 - Cu                                      | 0,6 mm<br>.023"               | 25 mm<br>31/32"      | 140.0008   | 20 |
| 2  | MD0008-08 |  | M6 - Cu                                      | 0,8 mm<br>.030"               | 25 mm<br>31/32"      | 140.0059   | 20 |
| 2  | MD0008-09 |  | M6 - Cu                                      | 0,9 mm<br>.035"               | 25 mm<br>31/32"      | 140.0177   | 20 |
| 2  | MD0008-10 |  | M6 - Cu                                      | 1,0 mm<br>.040"               | 25 mm<br>31/32"      | 140.0253   | 20 |
| 2  | MD0008-12 |  | M6 - Cu                                      | 1,2 mm<br>.045"               | 25 mm<br>31/32"      | 140.0387   | 20 |
| 20 | GM0500    |  | blue steel liner                             | 0,6 ÷ 0,9 mm<br>.023" ÷ .035" | 3 m<br>10'           | 124.0011   | 1  |
| 20 | GM0501    |  | blue steel liner                             | 0,6 ÷ 0,9 mm<br>.023" ÷ .035" | 4 m<br>12'           | 124.0012   | 1  |
| 20 | GM0502    |  | blue steel liner                             | 0,6 ÷ 0,9 mm<br>.023" ÷ .035" | 5 m<br>16.4'         | 124.0015   | 1  |
| 21 | GM0011    |  | blue steel liner<br>for 5/8-18 UNF connector | 0,6 ÷ 0,9 mm<br>.023" ÷ .035" | 5 m<br>16.4'         | 42-3035-15 | 1  |

|   | CODE   |  |                                    |    |
|---|--------|--|------------------------------------|----|
| 5 | BW0080 |  | plastic body                       | 10 |
| 5 | EA0303 |  | spring                             | 10 |
| 5 | FB0112 |  | hexagonal fitting                  | 10 |
| 5 | FB0117 |  | mig diffuser                       | 10 |
| 5 | MF0032 |  | ErgoPlus 15 torch head             | 1  |
| 5 | MF0065 |  | ErgoPlus 15 torch head with holder | 1  |
| 6 | BX0024 |  | trigger                            | 5  |
| 7 | MT0237 |  | handle kit                         | 1  |
| 8 | MH0118 |  | coaxial cable - 3 m / 10'          | 1  |

|    | CODE   |  |                             |    |
|----|--------|--|-----------------------------|----|
| 8  | MH0121 |  | coaxial cable - 4 m / 12'   | 1  |
| 8  | MH0122 |  | coaxial cable - 5 m / 16.4' | 1  |
| 9  | AR0070 |  | EURO connector - air        | 1  |
| 9  | BW0018 |  | Euro nut plastic            | 10 |
| 9  | FA0026 |  | liner nut M10x1             | 10 |
| 9  | MT0229 |  | Back box kit EURO           | 1  |
| 10 | FB0399 |  | 5/8-18 UNF power connector  | 1  |
| 10 | MT0228 |  | Back box kit 5/8-18 UNF     | 1  |

STANDARD

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# MIG WELDING (GMAW) TORCHES

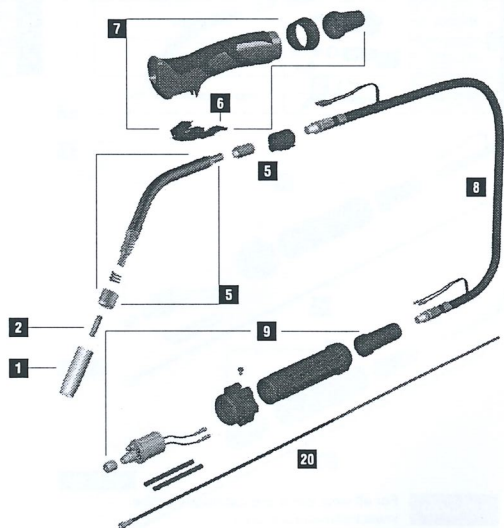
## ERGOPLUS 15FLEX



CE EN60974-7

| CODE      | ↔   |       |  |
|-----------|-----|-------|--|
| MA7020-03 | 3 m | 10'   |  |
| MA7020-04 | 4 m | 12'   |  |
| MA7020-05 | 5 m | 16.4' |  |

| TECHNICAL DATA         |                     |               |
|------------------------|---------------------|---------------|
| <b>ERGOPLUS 15FLEX</b> |                     |               |
|                        | 0,65 kg             | 1,43 lb       |
|                        | 113                 |               |
|                        | 0,6 ± 1,0 mm        | .023" ± .040" |
|                        | 180A CO2 - 150A Mix |               |



|    | CODE      |  |                  | Ø                             | ↔                    | REF      |    |
|----|-----------|--|------------------|-------------------------------|----------------------|----------|----|
| 1  | MC0017    |  | nozzle           | 9,5 mm<br>3/8"                | 53 mm<br>2-1/16"     | 145.0123 | 10 |
| 1  | MC0018    |  | nozzle           | 12 mm<br>1/2"                 | 53 mm<br>2-1/16"     | 145.0075 | 10 |
| 1  | MC0019    |  | nozzle           | 16 mm<br>5/8"                 | 53 mm<br>2-1/16"     | 145.0041 | 10 |
| 1  | MC0020    |  | nozzle           | 16 mm<br>5/8"                 | 61,5 mm<br>2"-13/32" | 145.0168 | 10 |
| 1  | MC0266    |  | nozzle           | 13 mm<br>1/2"                 | 53 mm<br>2-1/16"     | 145.0143 | 10 |
| 2  | MD0008-06 |  | M6 - Cu          | 0,6 mm<br>.023"               | 25 mm<br>31/32"      | 140.0008 | 20 |
| 2  | MD0008-08 |  | M6 - Cu          | 0,8 mm<br>.030"               | 25 mm<br>31/32"      | 140.0059 | 20 |
| 2  | MD0008-09 |  | M6 - Cu          | 0,9 mm<br>.035"               | 25 mm<br>31/32"      | 140.0177 | 20 |
| 2  | MD0008-10 |  | M6 - Cu          | 1,0 mm<br>.040"               | 25 mm<br>31/32"      | 140.0253 | 20 |
| 2  | MD0008-12 |  | M6 - Cu          | 1,2 mm<br>.045"               | 25 mm<br>31/32"      | 140.0387 | 20 |
| 20 | GM0500    |  | blue steel liner | 0,6 ÷ 0,9 mm<br>.023" ÷ .035" | 3 m<br>10'           | 124.0011 | 1  |
| 20 | GM0501    |  | blue steel liner | 0,6 ÷ 0,9 mm<br>.023" ÷ .035" | 4 m<br>12'           | 124.0012 | 1  |
| 20 | GM0502    |  | blue steel liner | 0,6 ÷ 0,9 mm<br>.023" ÷ .035" | 5 m<br>16.4'         | 124.0015 | 1  |

|   |        |  |                             |    |
|---|--------|--|-----------------------------|----|
| 5 | BW0080 |  | plastic body                | 10 |
| 5 | BW0385 |  | insulator                   | 10 |
| 5 | EA0303 |  | spring                      | 10 |
| 5 | FB0112 |  | hexagonal fitting           | 10 |
| 5 | MF0132 |  | ErgoPlus 15 flex torch head | 1  |
| 6 | BX0024 |  | trigger                     | 5  |
| 7 | MT0237 |  | handle kit                  | 1  |
| 8 | MH0118 |  | coaxial cable - 3 m / 10'   | 1  |
| 8 | MH0121 |  | coaxial cable - 4 m / 12'   | 1  |
| 8 | MH0122 |  | coaxial cable - 5 m / 16.4' | 1  |
| 9 | AR0070 |  | EURO connector - air        | 1  |
| 9 | BW0018 |  | Euro nut plastic            | 10 |
| 9 | FA0026 |  | liner nut M10x1             | 10 |
| 9 | MT0229 |  | Back box kit EURO           | 1  |

STANDARD

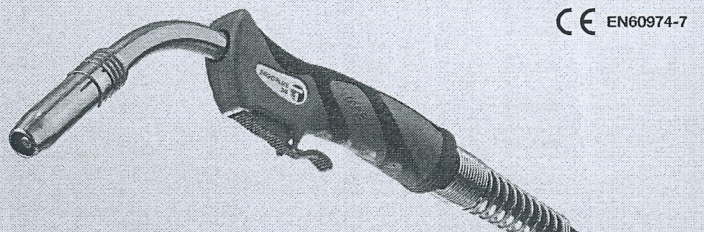
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# MIG WELDING (GMAW) TORCHES

## ERGOPLUS 24

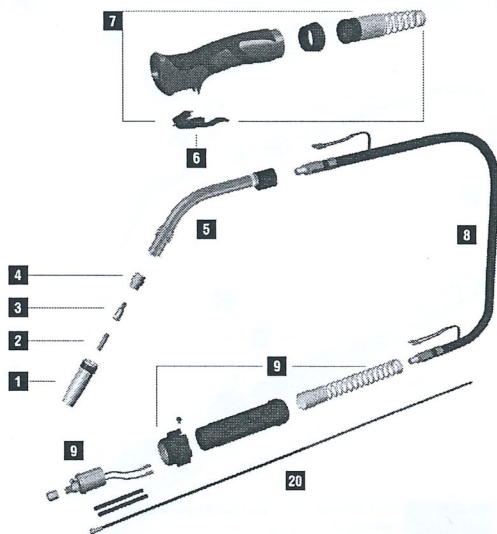
CE EN60974-7



| CODE   | ↔   |       |      |   |
|--------|-----|-------|------|---|
| MA7143 | 3 m | 10'   |      | 1 |
| MA7144 | 4 m | 12'   |      | 1 |
| MA7145 | 5 m | 16.4' | EURO | 1 |

| CODE   | ↔   |       |      |    |
|--------|-----|-------|------|----|
| MA7194 | 3 m | 10'   |      | 25 |
| MA7195 | 4 m | 12'   |      | 25 |
| MA7196 | 5 m | 16.4' | EURO | 25 |

| TECHNICAL DATA     |                     |              |
|--------------------|---------------------|--------------|
| <b>ERGOPLUS 24</b> |                     |              |
|                    | 1,2 kg              | 2,76 lb      |
|                    | 113                 |              |
|                    | 0,6 ÷ 1,2 mm        | .30" - .045" |
|                    | 250A CO2 - 220A Mix |              |



|    | CODE      |  |                            | Ø            | ↔             |         | REF      |          |    |
|----|-----------|--|----------------------------|--------------|---------------|---------|----------|----------|----|
| 1  | MC0300    |  | nozzle                     | 17 mm        | 21/32"        | 63,5 mm | 2-1/2"   | 145.0062 | 10 |
| 1  | MC0301    |  | nozzle                     | 12,5 mm      | 1/2"          | 63,5 mm | 2-1/2"   | 145.0080 | 10 |
| 1  | MC0302    |  | nozzle                     | 10 mm        | 13/32"        | 63,5 mm | 2-1/2"   | 145.0128 | 10 |
| 1  | MC0303    |  | nozzle                     | 17 mm        | 21/32"        | 68 mm   | 2-11/16" | 145.0174 | 10 |
| 2  | MD0008-06 |  | M6 - Cu                    | 0,6 mm       | .023"         | 25 mm   | 31/32"   | 140.0008 | 20 |
| 2  | MD0008-08 |  | M6 - Cu                    | 0,8 mm       | .030"         | 25 mm   | 31/32"   | 140.0059 | 20 |
| 2  | MD0008-09 |  | M6 - Cu                    | 0,9 mm       | .035"         | 25 mm   | 31/32"   | 140.0177 | 20 |
| 2  | MD0008-10 |  | M6 - Cu                    | 1,0 mm       | .040"         | 25 mm   | 31/32"   | 140.0253 | 20 |
| 2  | MD0008-12 |  | M6 - Cu                    | 1,2 mm       | .045"         | 25 mm   | 31/32"   | 140.0387 | 20 |
| 3  | MD0188-00 |  | M6 - brass                 |              |               | 26 mm   | 1" 1/32  | 142.0003 | 10 |
| 4  | ME0084    |  | plastic                    |              |               | 20 mm   | 25/32"   | 012.0183 | 10 |
| 4  | ME0086    |  | silicon                    |              |               | 20 mm   | 25/32"   | -        | 10 |
| 4  | ME0484    |  | plastic compound high tech |              |               | 20 mm   | 25/32"   | -        | 10 |
| 4  | ME0584    |  | ceramic                    |              |               | 20 mm   | 25/32"   | -        | 10 |
| 20 | GM0510    |  | red steel liner            | 1,0 ÷ 1,2 mm | .040" ÷ .045" | 3 m     | 10'      | 124.0026 | 1  |
| 20 | GM0511    |  | red steel liner            | 1,0 ÷ 1,2 mm | .040" ÷ .045" | 4 m     | 12'      | 124.0031 | 1  |
| 20 | GM0512    |  | red steel liner            | 1,0 ÷ 1,2 mm | .040" ÷ .045" | 5 m     | 16.4'    | 124.0035 | 1  |

|   | CODE   |  |                             |    |
|---|--------|--|-----------------------------|----|
| 5 | MF0180 |  | Ergoplus 24 torch head      | 1  |
| 6 | BX0024 |  | trigger                     | 5  |
| 7 | MT0237 |  | handle kit                  | 1  |
| 8 | MH0119 |  | coaxial cable - 3 m / 10'   | 1  |
| 8 | MH0124 |  | coaxial cable - 4 m / 12'   | 1  |
| 8 | MH0125 |  | coaxial cable - 5 m / 16.4' | 1  |
| 9 | AR0070 |  | EURO connector - air        | 1  |
| 9 | BW0020 |  | metal EURO nut              | 10 |
| 9 | FA0026 |  | liner nut M10x1             | 10 |
| 9 | MT0229 |  | Back box kit EURO           | 1  |

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# MIG WELDING (GMAW) TORCHES

## ERGOPLUS 25



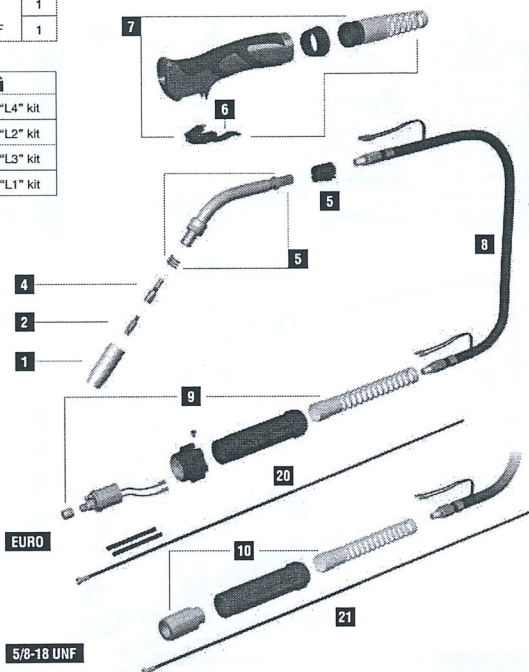
| CODE   | ↔   |       |  |   |
|--------|-----|-------|--|---|
| MA7243 | 3 m | 10'   |  | 1 |
| MA7244 | 4 m | 12'   |  | 1 |
| MA7245 | 5 m | 16.4' |  | 1 |

| CODE   | ↔   |       |  |    |
|--------|-----|-------|--|----|
| MA7294 | 3 m | 10'   |  | 25 |
| MA7295 | 4 m | 12'   |  | 25 |
| MA7296 | 5 m | 16.4' |  | 25 |

| CODE       | ↔   |       |  |   |
|------------|-----|-------|--|---|
| MA7290-UNF | 3 m | 10'   |  | 1 |
| MA7291-UNF | 4 m | 12'   |  | 1 |
| MA7292-UNF | 5 m | 16.4' |  | 1 |

| CODE   |                  | CODE   |                   |
|--------|------------------|--------|-------------------|
| AR0170 | Tweco® 1-4 kit   | AR0176 | Lincoln® "L4" kit |
| AR0171 | Tweco® 5 kit     | AR0177 | Lincoln® "L2" kit |
| AR0172 | Lincoln® "L" kit | AR0178 | Lincoln® "L3" kit |
| AR0173 | Miller® "M" kit  | AR0179 | Lincoln® "L1" kit |

| TECHNICAL DATA     |                     |               |
|--------------------|---------------------|---------------|
| <b>ERGOPLUS 25</b> |                     |               |
|                    | 1,2 kg              | 2.76 lb       |
|                    | 113                 |               |
|                    | 0,8 ± 1,2 mm        | .030" ± .045" |
|                    | 230A CO2 - 220A Mix |               |



|    | CODE      |         |  | Ø            |               | ↔       |          | REF        |    |
|----|-----------|---------|--|--------------|---------------|---------|----------|------------|----|
| 1  | MC0022    |         | nozzle                                   | 11,5 mm      | 7/16"         | 57 mm   | 2"-1/4   | 145.0124   | 10 |
| 1  | MC0023    |         | nozzle                                   | 15 mm        | 19/32"        | 57 mm   | 2"-1/4   | 145.0076   | 10 |
| 1  | MC0024    |         | nozzle                                   | 18 mm        | 23/32"        | 57 mm   | 2"-1/4   | 145.0042   | 10 |
| 1  | MC0025    |         | nozzle                                   | 20 mm        | 25/32"        | 66,5 mm | 2-5/8"   | 145.0169   | 10 |
| 1  | MC0265    |         | nozzle                                   | 11 mm        | 7/16"         | 57 mm   | 2"-1/4   | -          | 10 |
| 1  | MC0267    |         | nozzle                                   | 14 mm        | 9/16"         | 57 mm   | 2"-1/4   | -          | 10 |
| 2  | MD0009-06 |         | M6 - Cu                                  | 0,6 mm       | .023"         | 28 mm   | 1"-3/32  | 140.0005   | 20 |
| 2  | MD0009-08 |         | M6 - Cu                                  | 0,8 mm       | .030"         | 28 mm   | 1"-3/32  | 140.0051   | 20 |
| 2  | MD0009-09 |         | M6 - Cu                                  | 0,9 mm       | .035"         | 28 mm   | 1"-3/32  | 140.0169   | 20 |
| 2  | MD0009-10 |         | M6 - Cu                                  | 1,0 mm       | .040"         | 28 mm   | 1"-3/32  | 140.0242   | 20 |
| 2  | MD0009-12 |         | M6 - Cu                                  | 1,2 mm       | .045"         | 28 mm   | 1"-3/32  | 140.0379   | 20 |
| 2  | MD0009-14 |         | M6 - Cu                                  | 1,4 mm       | .052"         | 28 mm   | 1"-3/32  | -          | 20 |
| 2  | MD0009-16 | M6 - Cu | 1,6 mm                                   | 1/16"        | 28 mm         | 1"-3/32 | 140.0555 | 20         |    |
| 4  | ME0016    |         | M6 - copper                              |              |               | 35 mm   | 1"-3/8   | 142.0001   | 10 |
| 4  | ME0040    |         | M8 - copper                              |              |               | 35 mm   | 1"-3/8   | -          | 10 |
| 4  | ME0060    |         | M6 - copper                              |              |               | 37 mm   | 1"-15/32 | -          | 10 |
| 4  | ME0216    |         | M6 - brass                               |              |               | 35 mm   | 1"-3/8   | -          | 10 |
| 20 | GM0510    |         | red steel liner                          | 1,0 ± 1,2 mm | .040" ± .045" | 3 m     | 10'      | 124.0026   | 1  |
| 20 | GM0511    |         | red steel liner                          | 1,0 ± 1,2 mm | .040" ± .045" | 4 m     | 12'      | 124.0031   | 1  |
| 20 | GM0512    |         | red steel liner                          | 1,0 ± 1,2 mm | .040" ± .045" | 5 m     | 16.4'    | 124.0035   | 1  |
| 21 | GM0012    |         | red steel liner for 5/8-18 UNF connector | 1,0 ± 1,2 mm | .040" ± .045" | 5 m     | 16.4'    | 42-4045-15 | 1  |

|   | CODE   |  |                           |    |
|---|--------|--|---------------------------|----|
| 5 | BW0080 |  | plastic body              | 10 |
| 5 | EA0304 |  | spring                    | 10 |
| 5 | MF0033 |  | ErgoPlus 25 torch head    | 1  |
| 6 | BX0024 |  | trigger                   | 5  |
| 7 | MT0237 |  | handle kit                | 1  |
| 8 | MH0119 |  | coaxial cable - 3 m / 10' | 1  |
| 8 | MH0124 |  | coaxial cable - 4 m / 12' | 1  |

|    | CODE   |  |                             |    |
|----|--------|--|-----------------------------|----|
| 8  | MH0125 |  | coaxial cable - 5 m / 16.4' | 1  |
| 9  | AR0070 |  | EURO connector - air        | 1  |
| 9  | BW0020 |  | metal EURO nut              | 10 |
| 9  | FA0026 |  | liner nut M10x1             | 10 |
| 9  | MT0229 |  | Back box kit EURO           | 1  |
| 10 | FB0399 |  | 5/8-18 UNF power connector  | 1  |
| 10 | MT0228 |  | Back box kit 5/8-18 UNF     | 1  |

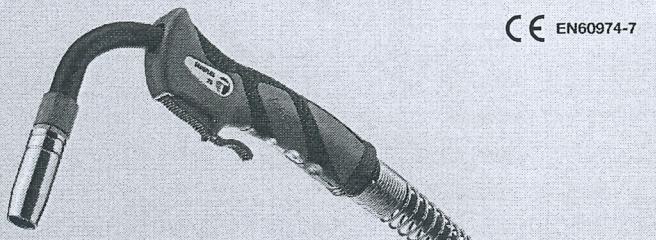
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# MIG WELDING (GMAW) TORCHES

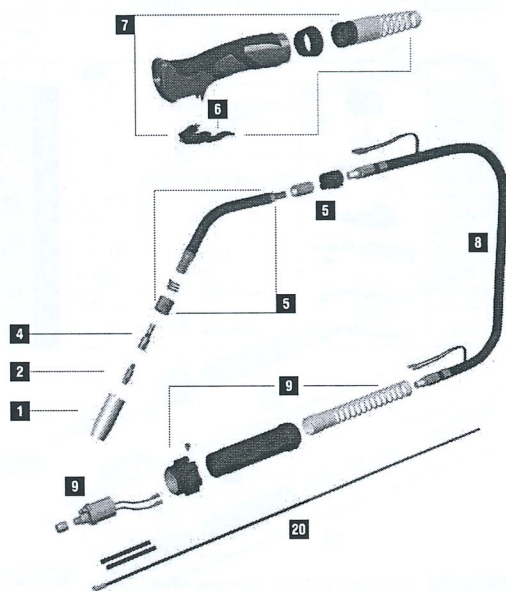
## ERGOPLUS 25FLEX



CE EN60974-7

| CODE      | ↔   |       |      |
|-----------|-----|-------|------|
| MA7220-03 | 3 m | 10'   | EURO |
| MA7220-04 | 4 m | 12'   |      |
| MA7220-05 | 5 m | 16.4' |      |

| TECHNICAL DATA |                     |               |
|----------------|---------------------|---------------|
|                | ERGOPLUS 25FLEX     |               |
|                | 1,25 kg             | 2.76 lb       |
|                | 113                 |               |
|                | 0,8 ÷ 1,2 mm        | .030" ÷ .045" |
|                | 230A CO2 - 220A Mix |               |



|    | CODE      |         |                 | Ø                             | ↔                 | REF      |    |
|----|-----------|---------|-----------------|-------------------------------|-------------------|----------|----|
| 1  | MC0022    |         | nozzle          | 11,5 mm<br>7/16"              | 57 mm<br>2"-1/4   | 145.0124 | 10 |
| 1  | MC0023    |         | nozzle          | 15 mm<br>19/32"               | 57 mm<br>2"-1/4   | 145.0076 | 10 |
| 1  | MC0024    |         | nozzle          | 18 mm<br>23/32"               | 57 mm<br>2"-1/4   | 145.0042 | 10 |
| 1  | MC0025    |         | nozzle          | 20 mm<br>25/32"               | 66,5 mm<br>2-5/8" | 145.0169 | 10 |
| 1  | MC0265    |         | nozzle          | 11 mm<br>7/16"                | 57 mm<br>2"-1/4   | -        | 10 |
| 1  | MC0267    |         | nozzle          | 14 mm<br>9/16"                | 57 mm<br>2"-1/4   | -        | 10 |
| 2  | MD0009-06 |         | M6 - Cu         | 0,6 mm<br>.023"               | 28 mm<br>1"-3/32  | 140.0005 | 20 |
| 2  | MD0009-08 |         | M6 - Cu         | 0,8 mm<br>.030"               | 28 mm<br>1"-3/32  | 140.0051 | 20 |
| 2  | MD0009-09 |         | M6 - Cu         | 0,9 mm<br>.035"               | 28 mm<br>1"-3/32  | 140.0169 | 20 |
| 2  | MD0009-10 |         | M6 - Cu         | 1,0 mm<br>.040"               | 28 mm<br>1"-3/32  | 140.0242 | 20 |
| 2  | MD0009-12 |         | M6 - Cu         | 1,2 mm<br>.045"               | 28 mm<br>1"-3/32  | 140.0379 | 20 |
| 2  | MD0009-14 |         | M6 - Cu         | 1,4 mm<br>.052"               | 28 mm<br>1"-3/32  | -        | 20 |
| 2  | MD0009-16 | M6 - Cu | 1,6 mm<br>1/16" | 28 mm<br>1"-3/32              | 140.0555          | 20       |    |
| 4  | ME0016    |         | M6 - copper     |                               | 35 mm<br>1"-3/8   | 142.0001 | 10 |
| 4  | ME0040    |         | M8 - copper     |                               | 35 mm<br>1"-3/8   | -        | 10 |
| 4  | ME0060    |         | M6 - copper     |                               | 37 mm<br>1"-15/32 | -        | 10 |
| 4  | ME0216    |         | M6 - brass      |                               | 35 mm<br>1"-3/8   | -        | 10 |
| 20 | GM0510    |         | red steel liner | 1,0 ÷ 1,2 mm<br>.040" ÷ .045" | 3 m<br>10'        | 124.0026 | 1  |
| 20 | GM0511    |         | red steel liner | 1,0 ÷ 1,2 mm<br>.040" ÷ .045" | 4 m<br>12'        | 124.0031 | 1  |
| 20 | GM0512    |         | red steel liner | 1,0 ÷ 1,2 mm<br>.040" ÷ .045" | 5 m<br>16.4'      | 124.0035 | 1  |

|   | CODE   |  |                             |    |
|---|--------|--|-----------------------------|----|
| 5 | BW0080 |  | plastic body                | 10 |
| 5 | BW0386 |  | insulator                   | 10 |
| 5 | EAO304 |  | spring                      | 10 |
| 5 | FB0112 |  | hexagonal fitting           | 10 |
| 5 | MF0133 |  | Ergoplus 25 flex torch head | 1  |
| 6 | BX0024 |  | trigger                     | 5  |
| 7 | MT0237 |  | handle kit                  | 1  |
| 8 | MH0119 |  | coaxial cable - 3 m / 10'   | 1  |
| 8 | MH0124 |  | coaxial cable - 4 m / 12'   | 1  |
| 8 | MH0125 |  | coaxial cable - 5 m / 16.4' | 1  |
| 9 | AR0070 |  | EURO connector - air        | 1  |
| 9 | BW0020 |  | metal EURO nut              | 10 |
| 9 | FA0026 |  | liner nut M10x1             | 10 |
| 9 | MT0229 |  | Back box kit EURO           | 1  |

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# MIG WELDING (GMAW) TORCHES

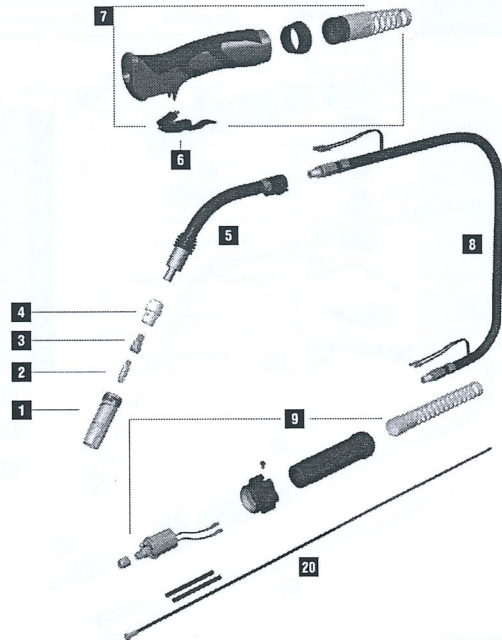
## ERGOPLUS 26



| CODE   | ↔   |       |      |   |
|--------|-----|-------|------|---|
| MA7343 | 3 m | 10'   |      | 1 |
| MA7344 | 4 m | 12'   |      | 1 |
| MA7345 | 5 m | 16.4' | EURO | 1 |

| CODE   | ↔   |       |      |    |
|--------|-----|-------|------|----|
| MA7394 | 3 m | 10'   |      | 25 |
| MA7395 | 4 m | 12'   |      | 25 |
| MA7396 | 5 m | 16.4' | EURO | 25 |

| TECHNICAL DATA |                     |              |
|----------------|---------------------|--------------|
|                | ERGOPLUS 26         |              |
|                | 1,46 kg             | 3.22 lb      |
|                | 113                 |              |
|                | 0,8 ÷ 1,2 mm        | .030" ÷ .45" |
|                | 290A CO2 - 260A Mix |              |



|    | CODE      |  |   | Ø            | ↔             |       | REF     |          |    |
|----|-----------|--|---|--------------|---------------|-------|---------|----------|----|
| 1  | MC0268    |  | nozzle - 2,5 mm thickness                   | 16 mm        | 5/8"          | 76 mm | 3"      | 145.0085 | 10 |
| 1  | MC0276    |  | nozzle - 2 mm thickness                     | 16 mm        | 5/8"          | 76 mm | 3"      | 145.0085 | 10 |
| 1  | MC0290    |  | nozzle - 2,5 mm thickness                   | 14 mm        | 9/16"         | 76 mm | 3"      | 145.0132 | 10 |
| 1  | MC0291    |  | nozzle - 2,5 mm thickness                   | 20 mm        | 25/32"        | 76 mm | 3"      | 145.0051 | 10 |
| 1  | MC0292    |  | nozzle - 2,5 mm thickness                   | 15 mm        | 19/32"        | 76 mm | 3"      | -        | 10 |
| 1  | MC0293    |  | nozzle - 2,5 mm thickness                   | 20 mm        | 25/32"        | 82 mm | 3-7/32" | 145.0179 | 10 |
| 1  | MC0340    |  | heavy duty nozzle - 3 mm thickness          | 16 mm        | 5/8"          | 76 mm | 3"      | -        | 10 |
| 1  | MC0568    |  | quick release nozzle - 2,5 mm thickness     | 16 mm        | 5/8"          | 76 mm | 3"      | -        | 10 |
| 1  | MC0576    |  | quick release light nozzle - 2 mm thickness | 16 mm        | 5/8"          | 76 mm | 3"      | -        | 10 |
| 2  | MD0009-06 |  | M6 - Cu                                     | 0,6 mm       | .023"         | 28 mm | 1"-3/32 | 140.0005 | 20 |
| 2  | MD0009-08 |  | M6 - Cu                                     | 0,8 mm       | .030"         | 28 mm | 1"-3/32 | 140.0051 | 20 |
| 2  | MD0009-09 |  | M6 - Cu                                     | 0,9 mm       | .035"         | 28 mm | 1"-3/32 | 140.0169 | 20 |
| 2  | MD0009-10 |  | M6 - Cu                                     | 1,0 mm       | .040"         | 28 mm | 1"-3/32 | 140.0242 | 20 |
| 2  | MD0009-12 |  | M6 - Cu                                     | 1,2 mm       | .045"         | 28 mm | 1"-3/32 | 140.0379 | 20 |
| 2  | MD0009-14 |  | M6 - Cu                                     | 1,4 mm       | .052"         | 28 mm | 1"-3/32 | -        | 20 |
| 2  | MD0009-16 |  | M6 - Cu                                     | 1,6 mm       | 1/16"         | 28 mm | 1"-3/32 | 140.0555 | 20 |
| 3  | MD0061-00 |  | M6 - brass                                  |              |               | 22 mm | 7/8"    | 142.0007 | 20 |
| 3  | MD0062-00 |  | M8 - brass                                  |              |               | 22 mm | 7/8"    | 142.0082 | 20 |
| 4  | ME0085    |  | plastic                                     |              |               | 29 mm | 1"-5/32 | 018.0116 | 10 |
| 4  | ME0485    |  | plastic                                     |              |               | 29 mm | 1"-5/32 | -        | 10 |
| 4  | ME0585    |  | ceramic                                     |              |               | 29 mm | 1"-5/32 | 018.0141 | 10 |
| 20 | GM0510    |  | red steel liner                             | 1,0 ÷ 1,2 mm | .040" ÷ .045" | 3 m   | 10'     | 124.0026 | 1  |
| 20 | GM0511    |  | red steel liner                             | 1,0 ÷ 1,2 mm | .040" ÷ .045" | 4 m   | 12'     | 124.0031 | 1  |
| 20 | GM0512    |  | red steel liner                             | 1,0 ÷ 1,2 mm | .040" ÷ .045" | 5 m   | 16.4'   | 124.0035 | 1  |

|   | CODE   |  |                           |   |
|---|--------|--|---------------------------|---|
| 5 | MF0181 |  | ErgoPlus 26 torch head    | 1 |
| 6 | BX0024 |  | trigger                   | 5 |
| 7 | MT0237 |  | handle kit                | 1 |
| 8 | MH0141 |  | coaxial cable - 3 m / 10' | 1 |
| 8 | MH0142 |  | coaxial cable - 4 m / 12' | 1 |

|   | CODE   |  |                             |    |
|---|--------|--|-----------------------------|----|
| 8 | MH0144 |  | coaxial cable - 5 m / 16.4' | 1  |
| 9 | AR0070 |  | EURO connector - air        | 1  |
| 9 | BW0020 |  | metal EURO nut              | 10 |
| 9 | FA0026 |  | liner nut M10x1             | 10 |
| 9 | MT0229 |  | Back box kit EURO           | 1  |

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# MIG WELDING (GMAW) TORCHES

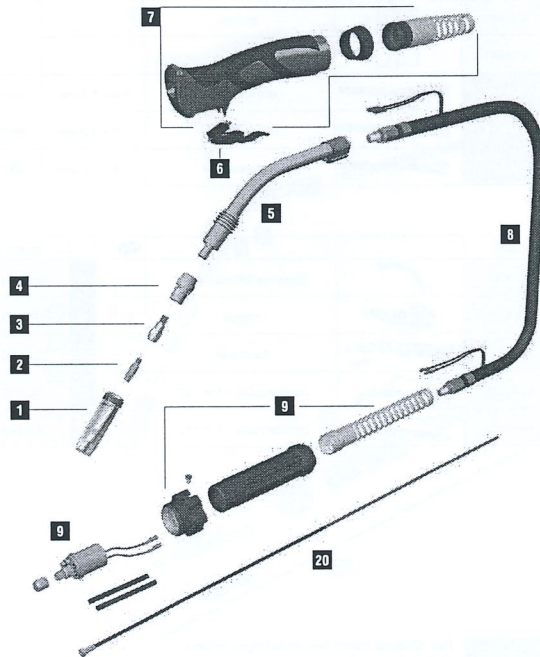
## ERGOPLUS 36 M6-RED LINER



CE EN60974-7

| CODE   | ↔   |       |          |
|--------|-----|-------|----------|
| MA7443 | 3 m | 10'   | <br>EURO |
| MA7444 | 4 m | 12'   |          |
| MA7445 | 5 m | 16.4' |          |

| TECHNICAL DATA |                                 |               |
|----------------|---------------------------------|---------------|
| ERGOPLUS 36    |                                 |               |
|                | 1,6 kg                          | 3.53 lb       |
|                | 113                             |               |
|                | 0,6 ÷ 1,6 mm                    | .023" ÷ 1/16" |
|                | 340A CO <sub>2</sub> - 320A Mix |               |



|    | CODE      |  |   | Ø            | ↔             | REF     |          |          |    |
|----|-----------|--|---|--------------|---------------|---------|----------|----------|----|
| 1  | MC0026    |  | nozzle - 2,5 mm thickness                   | 12 mm        | 1/2"          | 84 mm   | 3"-5/16  | 145.0126 | 10 |
| 1  | MC0027    |  | nozzle - 2,5 mm thickness                   | 16 mm        | 5/8"          | 84 mm   | 3"-5/16  | 145.0078 | 10 |
| 1  | MC0028    |  | nozzle - 2,5 mm thickness                   | 19 mm        | 3/4"          | 84 mm   | 3"-5/16  | 145.0045 | 10 |
| 1  | MC0109    |  | nozzle - 2,5 mm thickness                   | 17 mm        | 21/32"        | 84 mm   | 3"-5/16  | -        | 10 |
| 1  | MC0110    |  | nozzle - 2,5 mm thickness                   | 20 mm        | 25/32"        | 90 mm   | 3"-17/32 | 145.0172 | 10 |
| 1  | MC0440    |  | nozzle - 2 mm thickness                     | 16 mm        | 5/8"          | 84 mm   | 3"-5/16  |          | 10 |
| 1  | MC0527    |  | quick release nozzle - 2,5 mm thickness     | 16 mm        | 5/8"          | 84 mm   | 3"-5/16  | -        | 10 |
| 1  | MC0540    |  | quick release light nozzle - 2 mm thickness | 16 mm        | 5/8"          | 84 mm   | 3"-5/16  | -        | 10 |
| 2  | MD0009-76 |  | M6 - CuCrZr                                 | 0,6 mm       | .023"         | 28 mm   | 1"-3/32  | -        | 20 |
| 2  | MD0009-78 |  | M6 - CuCrZr                                 | 0,8 mm       | .030"         | 28 mm   | 1"-3/32  | 140.0054 | 20 |
| 2  | MD0009-80 |  | M6 - CuCrZr                                 | 1,0 mm       | .040"         | 28 mm   | 1"-3/32  | 140.0245 | 20 |
| 2  | MD0009-82 |  | M6 - CuCrZr                                 | 1,2 mm       | .045"         | 28 mm   | 1"-3/32  | 140.0382 | 20 |
| 2  | MD0009-84 |  | M6 - CuCrZr                                 | 1,4 mm       | .052"         | 28 mm   | 1"-3/32  | -        | 20 |
| 2  | MD0009-86 |  | M6 - CuCrZr                                 | 1,6 mm       | 1/16"         | 28 mm   | 1"-3/32  | -        | 20 |
| 3  | MD0063-00 |  | M6 - brass                                  |              |               | 28 mm   | 1"-3/32  | 142.0005 | 20 |
| 3  | MD0064-00 |  | M8 - brass                                  |              |               | 28 mm   | 1"-3/32  | 142.0020 | 20 |
| 3  | MD0131-00 |  | M6 - brass                                  |              |               | 32 mm   | 1"-1/4   | 142.0011 | 20 |
| 3  | MD0132-00 |  | M8 - brass                                  |              |               | 32 mm   | 1"-1/4   | 142.0024 | 20 |
| 4  | ME0017    |  | plastic                                     |              |               | 32,8 mm | 1"-9/32  | 014.0261 | 10 |
| 4  | ME0041    |  | plastic                                     |              |               | 32,8 mm | 1"-9/32  | 014.0021 | 10 |
| 4  | ME0417    |  | high-tech plastic                           |              |               | 32,8 mm | 1"-9/32  | -        | 10 |
| 4  | ME0517    |  | ceramic                                     |              |               | 32,8 mm | 1"-9/32  | 014.0023 | 10 |
| 20 | GM0510    |  | red steel liner                             | 1,0 ÷ 1,2 mm | .040" ÷ .045" | 3 m     | 10'      | 124.0026 | 1  |
| 20 | GM0511    |  | red steel liner                             | 1,0 ÷ 1,2 mm | .040" ÷ .045" | 4 m     | 12'      | 124.0031 | 1  |
| 20 | GM0512    |  | red steel liner                             | 1,0 ÷ 1,2 mm | .040" ÷ .045" | 5 m     | 16.4'    | 124.0035 | 1  |

|   | CODE   |  |                             |  |  |  |  |  |    |
|---|--------|--|-----------------------------|--|--|--|--|--|----|
| 5 | MF0034 |  | ErgoPlus 36 torch head      |  |  |  |  |  | 1  |
| 6 | BX0024 |  | trigger                     |  |  |  |  |  | 5  |
| 7 | MT0237 |  | handle kit                  |  |  |  |  |  | 1  |
| 8 | MH0120 |  | coaxial cable - 3 m / 10'   |  |  |  |  |  | 1  |
| 8 | MH0127 |  | coaxial cable - 4 m / 12'   |  |  |  |  |  | 1  |
| 8 | MH0128 |  | coaxial cable - 5 m / 16.4' |  |  |  |  |  | 1  |
| 9 | AR0070 |  | EURO connector - air        |  |  |  |  |  | 1  |
| 9 | BW0020 |  | metal EURO nut              |  |  |  |  |  | 10 |
| 9 | FA0026 |  | liner nut M10x1             |  |  |  |  |  | 10 |
| 9 | MT0229 |  | Back box kit EURO           |  |  |  |  |  | 1  |

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# MIG WELDING (GMAW) TORCHES

## ERGOPLUS 36 YELLOW LINER



CE EN60974-7

| CODE   | ↔   |       |      |   |
|--------|-----|-------|------|---|
| MA7446 | 3 m | 10'   |      | 1 |
| MA7447 | 4 m | 12'   |      | 1 |
| MA7448 | 5 m | 16.4' | EURO | 1 |

M8 contact tip MD0005-82 and M8 tip holder MD0064-00

| CODE   | ↔   |       |      |    |
|--------|-----|-------|------|----|
| MA7494 | 3 m | 10'   |      | 25 |
| MA7495 | 4 m | 12'   |      | 25 |
| MA7496 | 5 m | 16.4' | EURO | 20 |

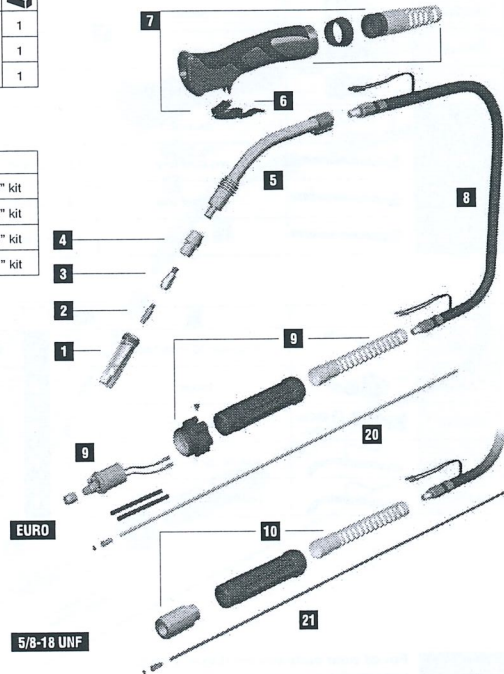
M6 contact tip MD0009-82 and M6 tip holder MD0131-00

| CODE   | ↔   |       |            |   |
|--------|-----|-------|------------|---|
| MA7490 | 3 m | 10'   |            | 1 |
| MA7491 | 4 m | 12'   |            | 1 |
| MA7492 | 5 m | 16.4' | 5/8-18 UNF | 1 |

M8 contact tip MD0005-82 and M8 tip holder MD0064-00

| CODE   |                  | CODE   |                   |
|--------|------------------|--------|-------------------|
| AR0170 | Tweco® 1-4 kit   | AR0176 | Lincoln® "L4" kit |
| AR0171 | Tweco® 5 kit     | AR0177 | Lincoln® "L2" kit |
| AR0172 | Lincoln® "L" kit | AR0178 | Lincoln® "L3" kit |
| AR0173 | Miller® "M" kit  | AR0179 | Lincoln® "L1" kit |

| TECHNICAL DATA |                     |               |
|----------------|---------------------|---------------|
| ERGOPLUS 36    |                     |               |
|                | 1,6 kg              | 3.53 lb       |
|                | 113                 |               |
|                | 0,6 ± 1,6 mm        | .023" ± 1/16" |
|                | 340A CO2 - 320A Mix |               |



|    | CODE      |  | Ø   | ↔                          | REF             |             |
|----|-----------|--|---|----------------------------|-----------------|-------------|
| 1  | MC0110    |  | nozzle - 2,5 mm thickness                   | 20 mm 25/32"               | 90 mm 3"-17/32  | 145.0172 10 |
| 1  | MC0026    |  | nozzle - 2,5 mm thickness                   | 12 mm 1/2"                 | 84 mm 3"-5/16   | 145.0126 10 |
| 1  | MC0027    |  | nozzle - 2,5 mm thickness                   | 16 mm 5/8"                 | 84 mm 3"-5/16   | 145.0078 10 |
| 1  | MC0028    |  | nozzle - 2,5 mm thickness                   | 19 mm 3/4"                 | 84 mm 3"-5/16   | 145.0045 10 |
| 1  | MC0109    |  | nozzle - 2,5 mm thickness                   | 17 mm 21/32"               | 84 mm 3"-5/16   | - 10        |
| 1  | MC0440    |  | nozzle - 2 mm thickness                     | 16 mm 5/8"                 | 84 mm 3"-5/16   | - 10        |
| 1  | MC0527    |  | quick release nozzle - 2,5 mm thickness     | 16 mm 5/8"                 | 84 mm 3"-5/16   | - 10        |
| 1  | MC0540    |  | quick release light nozzle - 2 mm thickness | 16 mm 5/8"                 | 84 mm 3"-5/16   | - 10        |
| 2  | MD0005-78 |  | M8 - CuCrZr                                 | 0,8 mm .030"               | 30 mm 1"-3/16   | - 20        |
| 2  | MD0005-80 |  | M8 - CuCrZr                                 | 1,0 mm .040"               | 30 mm 1"-3/16   | 140.0316 20 |
| 2  | MD0005-82 |  | M8 - CuCrZr                                 | 1,2 mm .045"               | 30 mm 1"-3/16   | 140.0445 20 |
| 2  | MD0005-84 |  | M8 - CuCrZr                                 | 1,4 mm .052"               | 30 mm 1"-3/16   | 140.0536 20 |
| 2  | MD0005-86 |  | M8 - CuCrZr                                 | 1,6 mm 1/16"               | 30 mm 1"-3/16   | 140.0590 20 |
| 2  | MD0005-90 |  | M8 - CuCrZr                                 | 2,0 mm 5/64"               | 30 mm 1"-3/16   | 140.0656 20 |
| 2  | MD0005-94 |  | M8 - CuCrZr                                 | 2,4 mm 3/32"               | 30 mm 1"-3/16   | - 20        |
| 3  | MD0063-00 |  | M6 - brass                                  |                            | 28 mm 1"-3/32   | 142.0005 20 |
| 3  | MD0064-00 |  | M8 - brass                                  |                            | 28 mm 1"-3/32   | 142.0020 20 |
| 3  | MD0131-00 |  | M6 - brass                                  |                            | 32 mm 1"-1/4    | 142.0011 20 |
| 3  | MD0132-00 |  | M8 - brass                                  |                            | 32 mm 1"-1/4    | 142.0024 20 |
| 4  | ME0017    |  | plastic                                     |                            | 32,8 mm 1"-9/32 | 014.0261 10 |
| 4  | ME0041    |  | plastic                                     |                            | 32,8 mm 1"-9/32 | 014.0021 10 |
| 4  | ME0417    |  | high-tech plastic                           |                            | 32,8 mm 1"-9/32 | - 10        |
| 4  | ME0517    |  | ceramic                                     |                            | 32,8 mm 1"-9/32 | 014.0023 10 |
| 20 | GM0540    |  | yellow steel liner                          | 1,2 ± 1,6 mm .045" ± 1/16" | 3 m 10'         | 124.0041 1  |
| 20 | GM0541    |  | yellow steel liner                          | 1,2 ± 1,6 mm .045" ± 1/16" | 4 m 12'         | 124.0042 1  |
| 20 | GM0542    |  | yellow steel liner                          | 1,2 ± 1,6 mm .045" ± 1/16" | 5 m 16.4'       | 124.0044 1  |
| 21 | GM0013    |  | grey steel liner for EURO-TW connector      | 1,2 ± 1,6 mm .045" ± 1/16" | 5 m 16.4'       | 44-116-15 1 |

|   | CODE   |  |                               |
|---|--------|--|-------------------------------|
| 5 | MF0034 |  | ErgoPlus 36 torch head 1      |
| 6 | BX0024 |  | trigger 5                     |
| 7 | MT0237 |  | handle kit 1                  |
| 8 | MH0120 |  | coaxial cable - 3 m / 10' 1   |
| 8 | MH0127 |  | coaxial cable - 4 m / 12' 1   |
| 8 | MH0128 |  | coaxial cable - 5 m / 16.4' 1 |

|    | CODE   |  |                              |
|----|--------|--|------------------------------|
| 9  | AR0070 |  | EURO connector - air 1       |
| 9  | BW0020 |  | metal EURO nut 10            |
| 9  | FA0026 |  | liner nut M10x1 10           |
| 9  | MT0229 |  | Back box kit EURO 1          |
| 10 | FB0399 |  | 5/8-18 UNF power connector 1 |
| 10 | MT0228 |  | Back box kit 5/8-18 UNF 1    |

STANDARD For all wear parts see catalogue online [www.trafimetgroup.com](http://www.trafimetgroup.com)





# MIG WELDING (GMAW) TORCHES

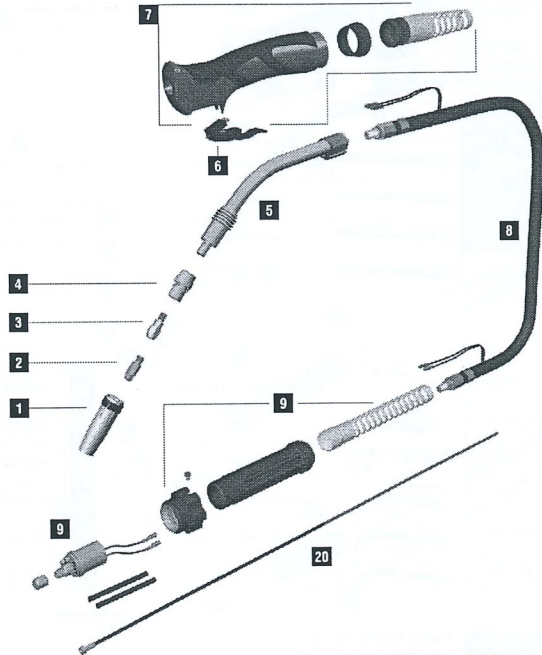
## ERGOPLUS 40



CE EN60974-7

| CODE   | ↔   |     |      |
|--------|-----|-----|------|
| MA7584 | 4 m | 12' | EURO |

| TECHNICAL DATA |                     |               |
|----------------|---------------------|---------------|
| ERGOPLUS 40    |                     |               |
|                | 1,6 kg              | 3.53 lb       |
|                | 113                 |               |
|                | 0,6 ± 1,6 mm        | .023" ± 1/16" |
|                | 340A CO2 - 320A Mix |               |



|    | CODE      |             | Ø               | ↔            |               | REF     |          |          |    |
|----|-----------|-------------|-----------------|--------------|---------------|---------|----------|----------|----|
| 1  | MC0367    |             | nozzle          | 16 mm        | 5/8"          | 90 mm   | 3"-17/32 | 145.0079 | 10 |
| 2  | MD0005-78 |             | M8 - CuCrZr     | 0,8 mm       | .030"         | 30 mm   | 1"-3/16  | -        | 20 |
| 2  | MD0005-80 |             | M8 - CuCrZr     | 1,0 mm       | .040"         | 30 mm   | 1"-3/16  | 140.0316 | 20 |
| 2  | MD0005-82 |             | M8 - CuCrZr     | 1,2 mm       | .045"         | 30 mm   | 1"-3/16  | 140.0445 | 20 |
| 2  | MD0005-84 |             | M8 - CuCrZr     | 1,4 mm       | .052"         | 30 mm   | 1"-3/16  | 140.0536 | 20 |
| 2  | MD0005-86 |             | M8 - CuCrZr     | 1,6 mm       | 1/16"         | 30 mm   | 1"-3/16  | 140.0590 | 20 |
| 2  | MD0005-90 |             | M8 - CuCrZr     | 2,0 mm       | 5/64"         | 30 mm   | 1"-3/16  | 140.0656 | 20 |
| 2  | MD0005-94 | M8 - CuCrZr | 2,4 mm          | 3/32"        | 30 mm         | 1"-3/16 | -        | 20       |    |
| 3  | MD0199-00 |             | M8 - brass      |              |               | 43 mm   | 1" 11/16 | 142.0021 | 20 |
| 4  | ME0518    |             | ceramic         |              |               | 35,5 mm |          | 015.0021 | 10 |
| 20 | GM0511    |             | red steel liner | 1,0 ÷ 1,2 mm | .040" ÷ .045" | 4 m     | 12'      | 124.0031 | 1  |

|   | CODE   |  |                           |   |
|---|--------|--|---------------------------|---|
| 5 | MF0337 |  | ErgoPlus 40 torch head    | 1 |
| 6 | BX0024 |  | trigger                   | 5 |
| 7 | MT0237 |  | handle kit                | 1 |
| 8 | MHD127 |  | coaxial cable - 4 m / 12' | 1 |

|   | CODE   |  |                      |    |
|---|--------|--|----------------------|----|
| 9 | AR0070 |  | EURO connector - air | 1  |
| 9 | BW0020 |  | metal EURO nut       | 10 |
| 9 | FA0026 |  | liner nut M10x1      | 10 |
| 9 | MT0229 |  | Back box kit EURO    | 1  |

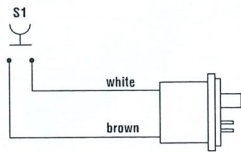
STANDARD

For all wear parts see catalogue online  
[www.trafimetgroup.com](http://www.trafimetgroup.com)

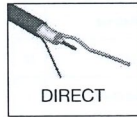
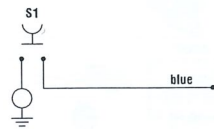


# CONNECTIONS

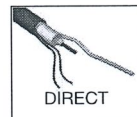
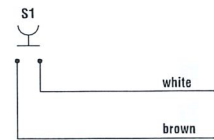
## EURO



## DIRECT 1 LEAD



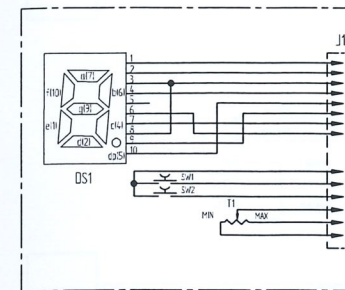
## DIRECT 2 LEADS



# SPECIAL CONTROLS



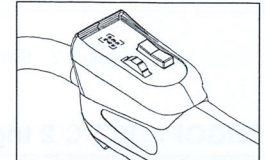
## ERGODIGIT 1 KIT



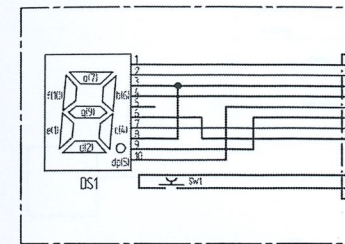
Changes the arc length from 0 to ...  
Changes the wire feeding speed from 0 to 9.  
Selection program No. from 0 to 9.  
Number or letter corresponding to the anomaly.

| J1 |        |
|----|--------|
| 1  | white  |
| 2  | brown  |
| 3  | green  |
| 4  | yellow |
| 5  | grey   |
| 6  | pink   |
| 7  | blue   |

| J1 |             |
|----|-------------|
| 8  | red         |
| 9  | black       |
| 10 | violet      |
| 11 | grey/pink   |
| 12 | red/blue    |
| 13 | white/green |
| 14 | brown/green |



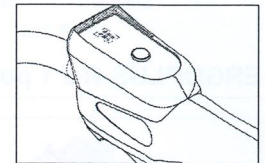
## ERGODIGIT 2 KIT



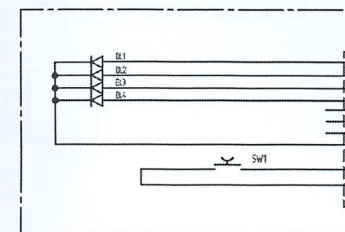
Selection program No. from 0 to 9.  
Number or letter corresponding to the anomaly.

| J1 |        |
|----|--------|
| 1  | white  |
| 2  | brown  |
| 3  | green  |
| 4  | yellow |
| 5  | grey   |

| J1 |        |
|----|--------|
| 6  | pink   |
| 7  | blue   |
| 8  | red    |
| 9  | black  |
| 10 | violet |



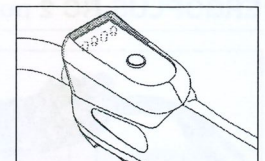
## ERGODIGIT 3 KIT



Selection program No. from 0 to 4.  
4 types of anomalies.

| J1 |        |
|----|--------|
| 1  | white  |
| 2  | brown  |
| 3  | green  |
| 4  | yellow |
| 5  | grey   |

| J1 |        |
|----|--------|
| 6  | pink   |
| 7  | blue   |
| 8  | red    |
| 9  | black  |
| 10 | violet |

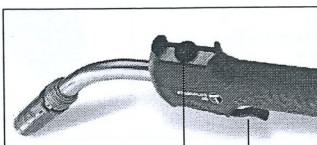




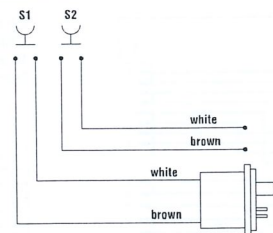


## SPECIAL CONTROLS

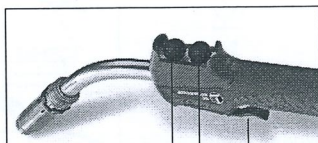
### ERGOPLUS RC 1 trigger



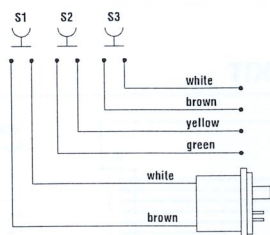
Switch 2 Switch 1



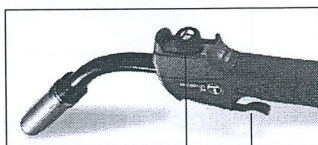
### ERGOPLUS RC 2 triggers



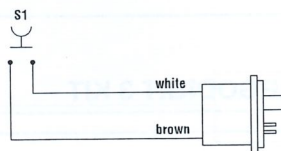
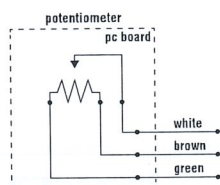
Switch 3  
Switch 2  
Switch 1



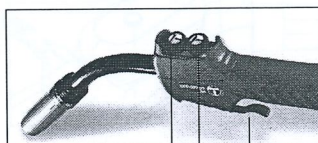
### ERGOPLUS RC 1 potentiometer



potentiometer  
Switch 1



### ERGOPLUS RC 2 potentiometers



potentiometer 1  
potentiometer 2  
Switch 1

