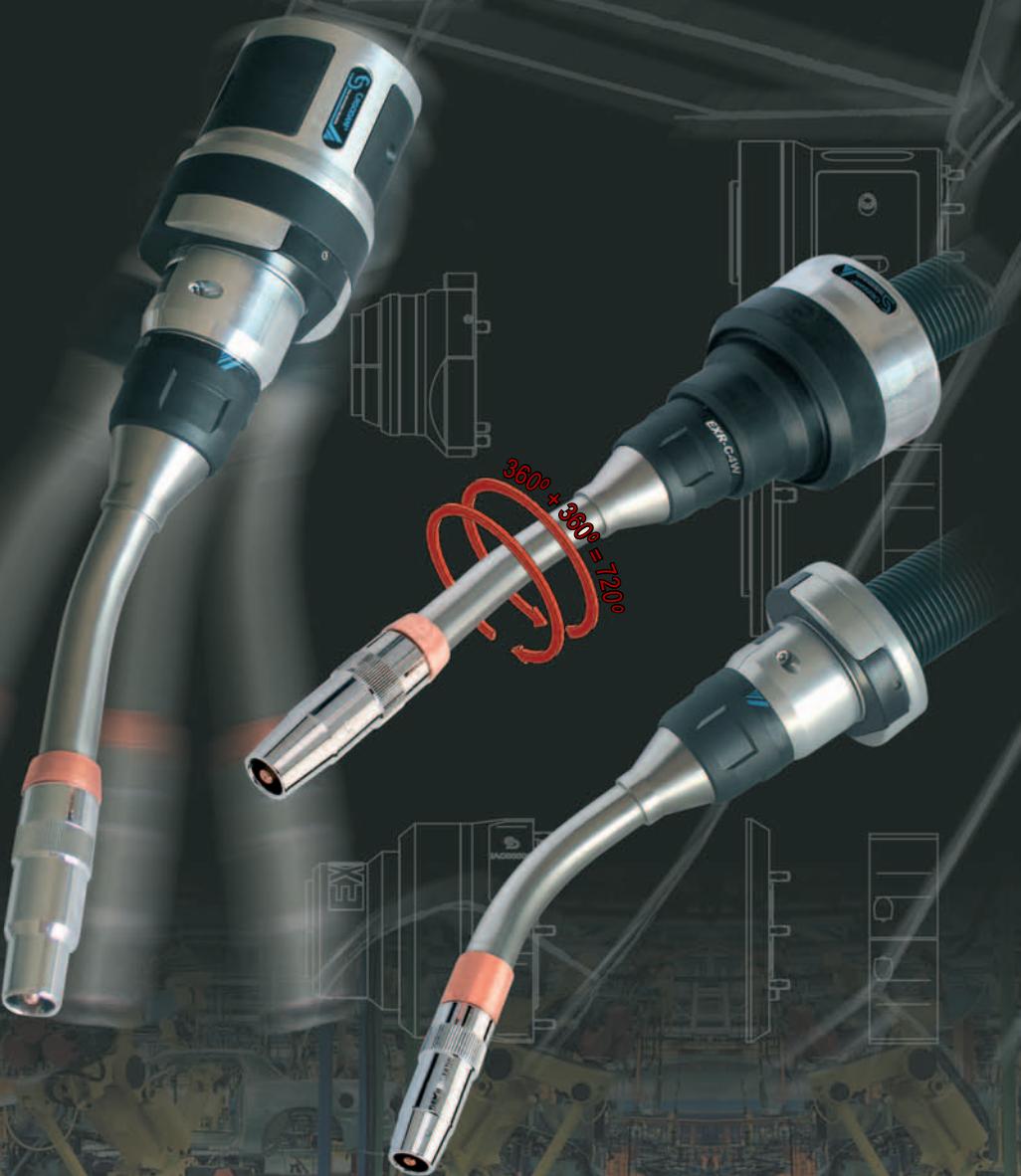




# ROBOT EXR



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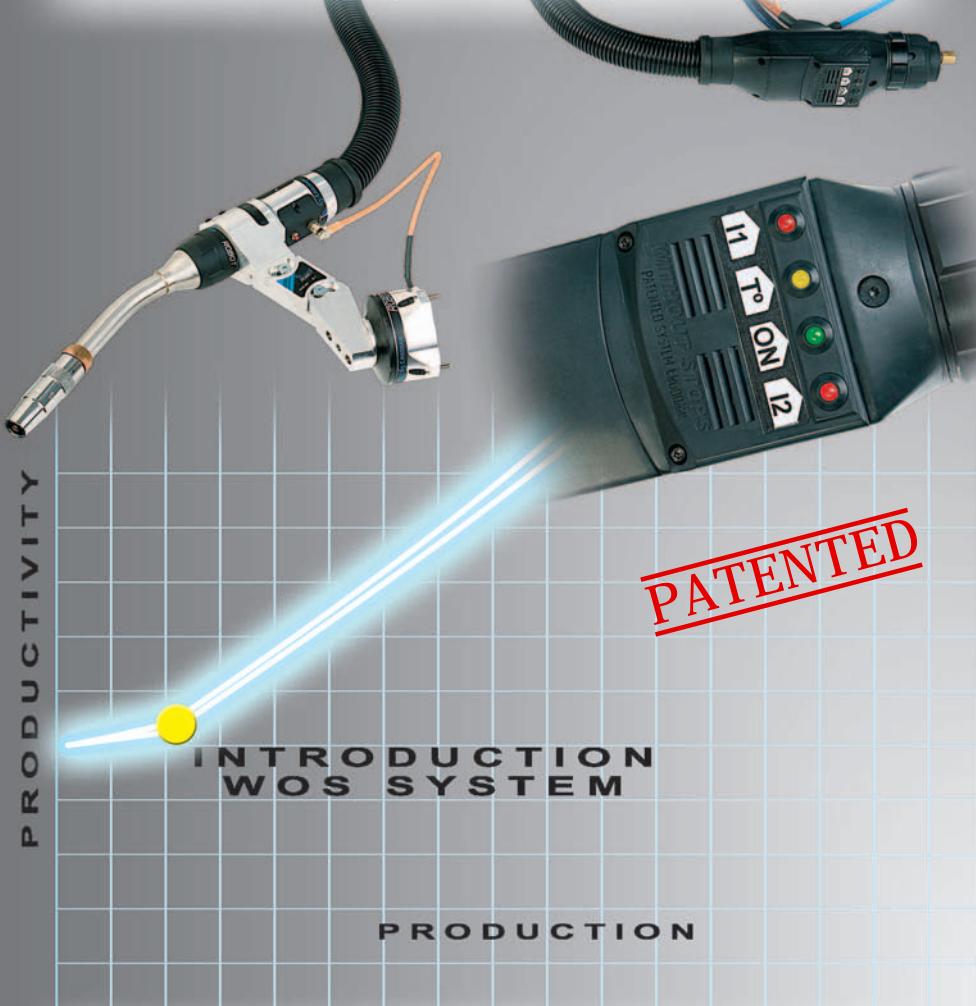
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# WITHOUT STOPS

The only torch in the world capable of detecting torch breakdown before it happens

La única antorcha en el mundo capaz de avisarte antes de que se averíe

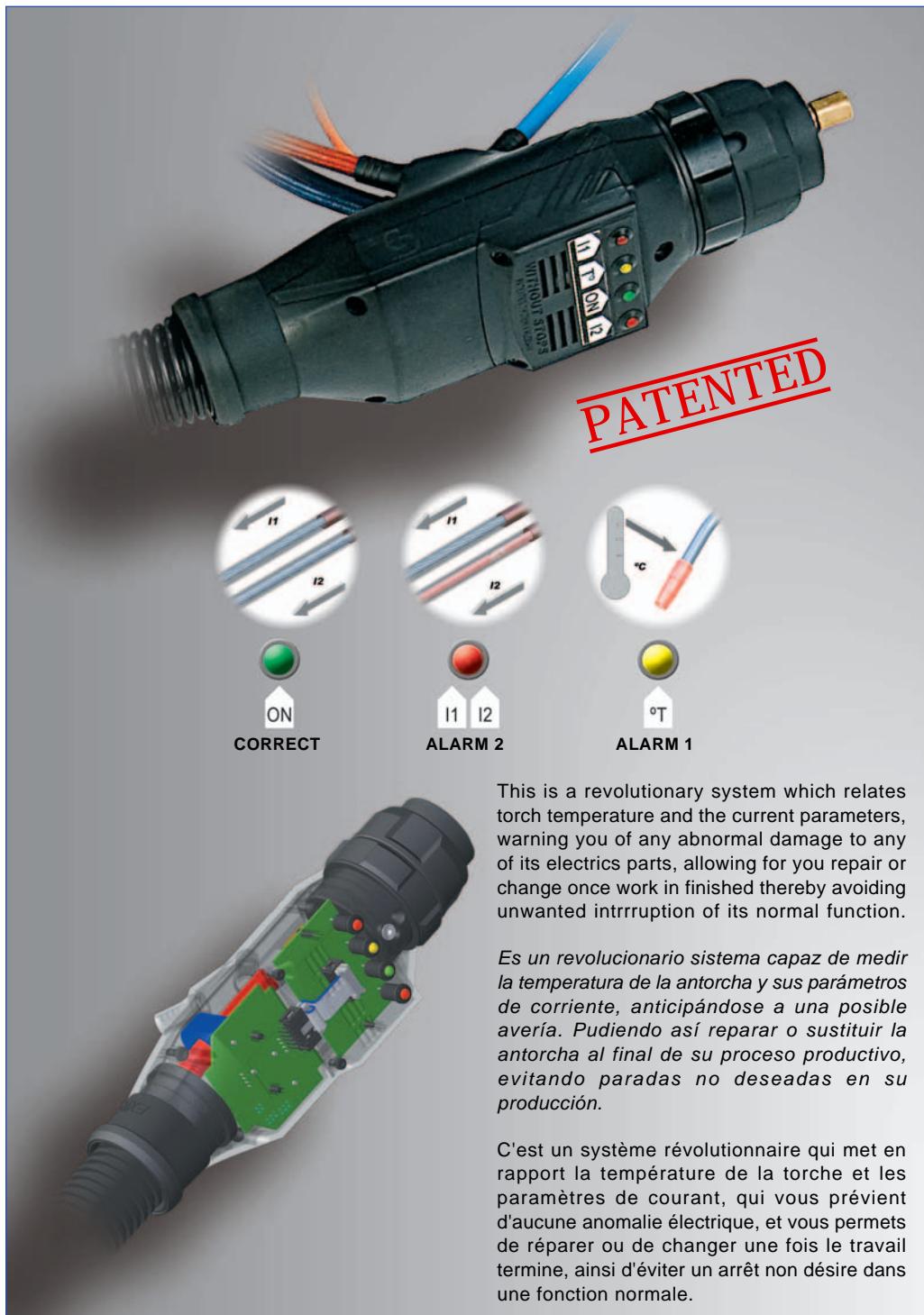
La seule torche dans le monde capable de détecter les problèmes avant qu'ils n'arrivent



With the new Ergodani patented "WITHOUT STOPS" system, nothing can stop your production

Con el nuevo sistema patentado de Ergodani "WITHOUT STOPS", nada podrá parar su producción

Avec le nouveau brevet ergodani "WITHOUT STOPS", rien ne peut arrêter votre production



This is a revolutionary system which relates torch temperature and the current parameters, warning you of any abnormal damage to any of its electric parts, allowing for you repair or change once work in finished thereby avoiding unwanted interruption of its normal function.

*Es un revolucionario sistema capaz de medir la temperatura de la antorcha y sus parámetros de corriente, anticipándose a una posible avería. Pudiendo así reparar o sustituir la antorcha al final de su proceso productivo, evitando paradas no deseadas en su producción.*

C'est un système révolutionnaire qui met en rapport la température de la torche et les paramètres de courant, qui vous prévient d'aucune anomalie électrique, et vous permet de réparer ou de changer une fois le travail terminé, ainsi d'éviter un arrêt non désiré dans une fonction normale.

# TORCHES EXR



## SUBJECTION SYSTEM

### INTERCHANGEABLE NECK

Exchange system of threaded neck.

Valves for water exit independent liner.

Independen liner in the neck.

In the neck zonestainless steel external casing.

Good resistance to the deformation.

## SISTEMA DE SUJECCIÓN

### CUELLOS INTERCAMBIABLES

Sistema de intercambio de cuello roscado.

Válvulas para corte salida de agua.

Sirga independiente en la zona del cuello.

Carcasa exterior de acero inoxidable.

Buena resistencia a la deformación.

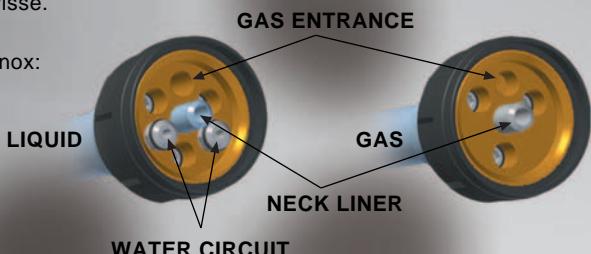


## SYSTÈME INTERCHANGEABLE DE COL DE CYGNE

Système d'échange de col de cygne visse.

Clapets automatiques pour l'eau.

Le col de cygne externe est en acier inox:  
bonne résistance à la déformation.



Special anti-wear alloy and high  
termical transmission.

Aleación especial antidesgaste y de  
alta transmisión térmica.

Spécial anti usure alliage pour  
transmission thermique.

External liquid circuit.

Circuito de líquido externo.

Canal de refroidissement externe.

Square thread.

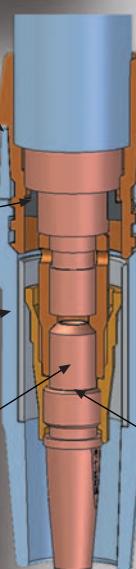
Roscas cuadradas.

Couronnes carrées.

Internal liquid circuit.

Circuito de líquido interno.

Canal de refroidissement interne.



## IMPROVEMENT IN THE NECK COOLING SYSTEM

MEJORAS EN EL SISTEMA  
DE REFRIGERACIÓN  
DEL CUELLO

AMÉLIORATION DU SYSTÈME  
DE REFROIDISSEMENT DU COL

Special cooling tip "cold pressure".

Refrigeración especial en la punta  
"cold pressure".

Refroidissement spécial par action  
"pression à froid".

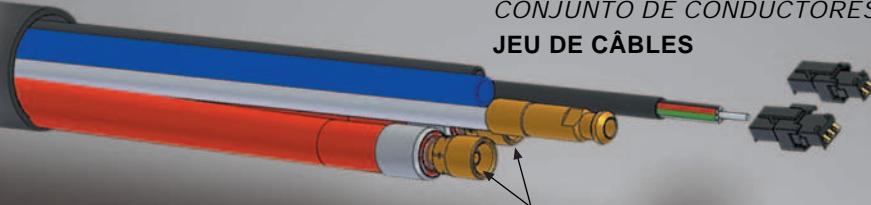
# TORCHES EXR



## CABLES SET

CONJUNTO DE CONDUCTORES

JEU DE CÂBLES



Double power cable. Less curvature range. Larger cooling surface.  
Double electrical section. Less breakage for fatigue.

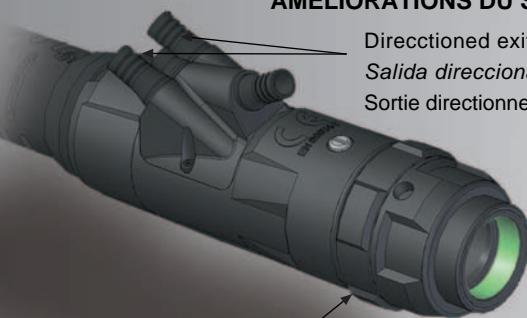
Doble cable de potencia. Menor radio de curvatura. Mayor superficie de refrigeración. Doble sección eléctrica. Menos rotura por fatiga.

Double câble de puissance. Moins de courbure en portée. Double section électrique. Plus grande surface de refroidissement.  
Amélioration du raccord euro.

## IMPROVEMENT IN REAR SUPPORT

MEJORA DEL SOPORTE TRASERO

AMÉLIORATIONS DU SUPPORT POSTÉRIEUR



Directioned exit of tubes to avoid folding.

Salida direccionalada de los tubos para evitar dobladuras.

Sortie directionnelle pour éviter le pliage des tuyau.

Lock nut system for a perfect connection.

Sistema de contratuerca para gripado de la conexión.

Fermeture par molette pour une meilleure connexion.

Threaded subjection system for tubes.

Sistema de sujeción de tubos sin abrochaduras.

Système de filetage pour buses.

Strong subjection of support to connection and high electric transfer.

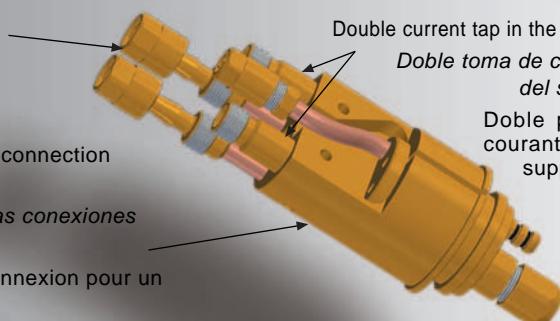
Fuerte sujeción del soporte a las conexiones y alta transferencia eléctrica.

Fenforcement du support de connexion pour un meilleur transfert électrique.

## CIRCUIT DISTRIBUTOR OF REAR SUPPORT CONNECTION

DISTRIBUIDOR DE CIRCUITOS DEL SOPORTE DE CONEXIÓN TRASERO

CIRCUIT DISTRIBUTEUR DU SUPPORT DE CONNECTION POSTÉRIEUR



Double current tap in the support.

Doble toma de corriente del soporte.

Doble prise de courant dans le support.

# TORCHES EXR



## SENSOR ANTI-COLLISION POSITION

UBICACIÓN DEL SENSOR ANTICOLISIÓN

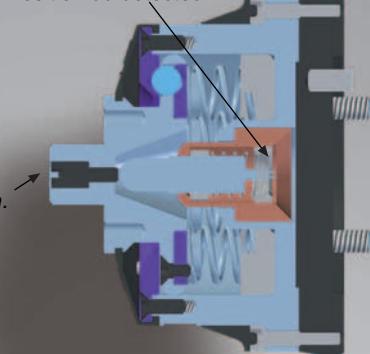
POSITION DU DÉTECTEUR ANTI COLLISION



Sensor position.

Posición del sensor.

Position du détecteur.



## REGULATION SYSTEM OF THREE AXES EXR

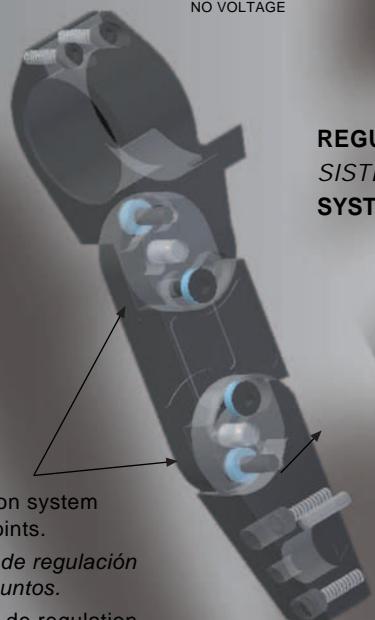
SISTEMA DE REGULACIÓN DE TRES EJES EXR

SYSTÈME DE REGULATION A 3 AXES EXR

Regulation system of two points.

Sistema de regulación de dos puntos.

Système de régulation à 2 points.



Mobile axis with pressure 1

Eje móvil con presión 1.

Axe mobile a pression 1

Fixed axis guide 2

Eje fijo guía 2.

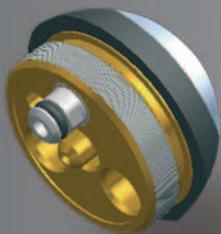
Axe fixe 2

Mobile axis with pressure 3

Eje móvil con presión 3.

Axe mobile a pression 3

# TORCHES EXR



standard system

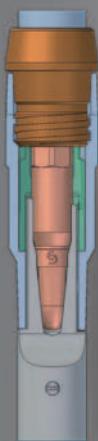


ALUM-S system

**New ALUM-S (Aluminium-Slider) system.** This system has been specially designed to improve the sliding of the aluminium wire through the interior of the guidance system, reducing the unnecessary undulations present in conventional systems. This gives rise to fewer friction points on the wire guidance conduit, reducing total friction and the number of jams.

*Nuevo Sistema ALUM-S (Aluminium Slider). Sistema especialmente diseñado para mejorar el deslizamiento del hilo de aluminio por el interior de los sistemas de guiado. Este sistema reduce las ondulaciones innecesarias de los sistemas convencionales, produciéndose así menores puntos de fricción en el conducto de guiado del hilo, disminuyendo su fricción total y reduciendo los atascos.*

*Nouveau système ALUM-S (Aluminium-Slider). Ce système a été particulièrement conçu pour améliorer le glissement du fil aluminium à l'intérieur du guide réduisant les ondulations inutiles. Ceci provoque moins de friction dans la gaine et réduit le frottement ou le blocage de fil.*



**ICS (Integrated Cleaning System).** This system enables the complete elimination of spatter build-up on weldings prone to spatter.

Protected and easy-to-clean fastening and gas vent systems.

High-level of refrigeration reducing gas consumption.

Auto-adjustable length of milling entry point.

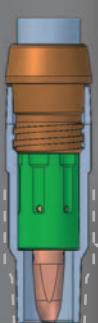
*SIL (Sistema Integral de Limpieza). Este Sistema permite la eliminación total de las proyecciones acumuladas en soldadura de elevado nivel de proyecciones.*

*Sistema de fijación y orificios de salida de gas protegidos y de fácil limpieza.*

*Elevada refrigeración que disminuye el consumo de repuesto.*

*Longitud de entrada de fresado autoajustable.*

**ICS (Système de nettoyage intégré).** Ce système permet l'élimination complète des déchets de soudure. Protège et nettoie facilement le conduit de gaz. Réduit la consommation de gaz grâce au refroidissement du capillaire. Longueur auto ajustable du point d'entrée.



Exterior piping of gas diffusers. This improves the refrigeration of the nozzle, makes gas diffusers easier to clean and prevent spatter build-up from occurring.

*Canalización exterior de orificios de gas. Esto mejora la refrigeración de la tobera, facilita la limpieza de los orificios de gas y evita que se acumulen proyecciones.*

Conduit extérieur des diffuseurs gaz, ceci améliore le refroidissement de la buse, facilite le nettoyage du diffuseur et évite les déchets de soudure. La surface extérieure est isolée, évitant les déchets de soudure et un court-circuit au niveau de la buse.

Exterior surface is insulated, preventing build-up from occurring and nozzle short-circuits.

*Superficie exterior con tratamiento aislante, evita la acumulación de proyecciones de la tobera.*

Traitement d'isolation surface extérieure empêche l'accumulation de projections de la buse.

# PUSH-PULL EXR



**PVS (Peripheral Vision System).** This enables real-time visual checking of the correct functioning of the motor.

**SVP (Sistema de Visión Periférica).** Este Sistema permite la comprobación del perfecto funcionamiento del motor en tiempo real y de forma visual.

**PVS (Peripheral Vision System).** Ceci permet de vérifier visuellement le bon fonctionnement du moteur.

**More thrust and less wire deformation** thanks to its extremely precise orbital system. The upper casing can be removed manually for roller adjustment and wire replacement.

**Más empuje, menos deformación del hilo** gracias a su sistema orbital de gran precisión. Apertura manual de la tapa superior para el ajuste de rodillos y cambio del hilo.

**Plus de tranquillité et moins de déformation** du fil grâce au système orbital extrêmement précis. Le capot peut être enlever pour ajuster ou remplacer le fil.

**Connections are protected** from the line of movement of the arm as it interacts with the welding peripherals.

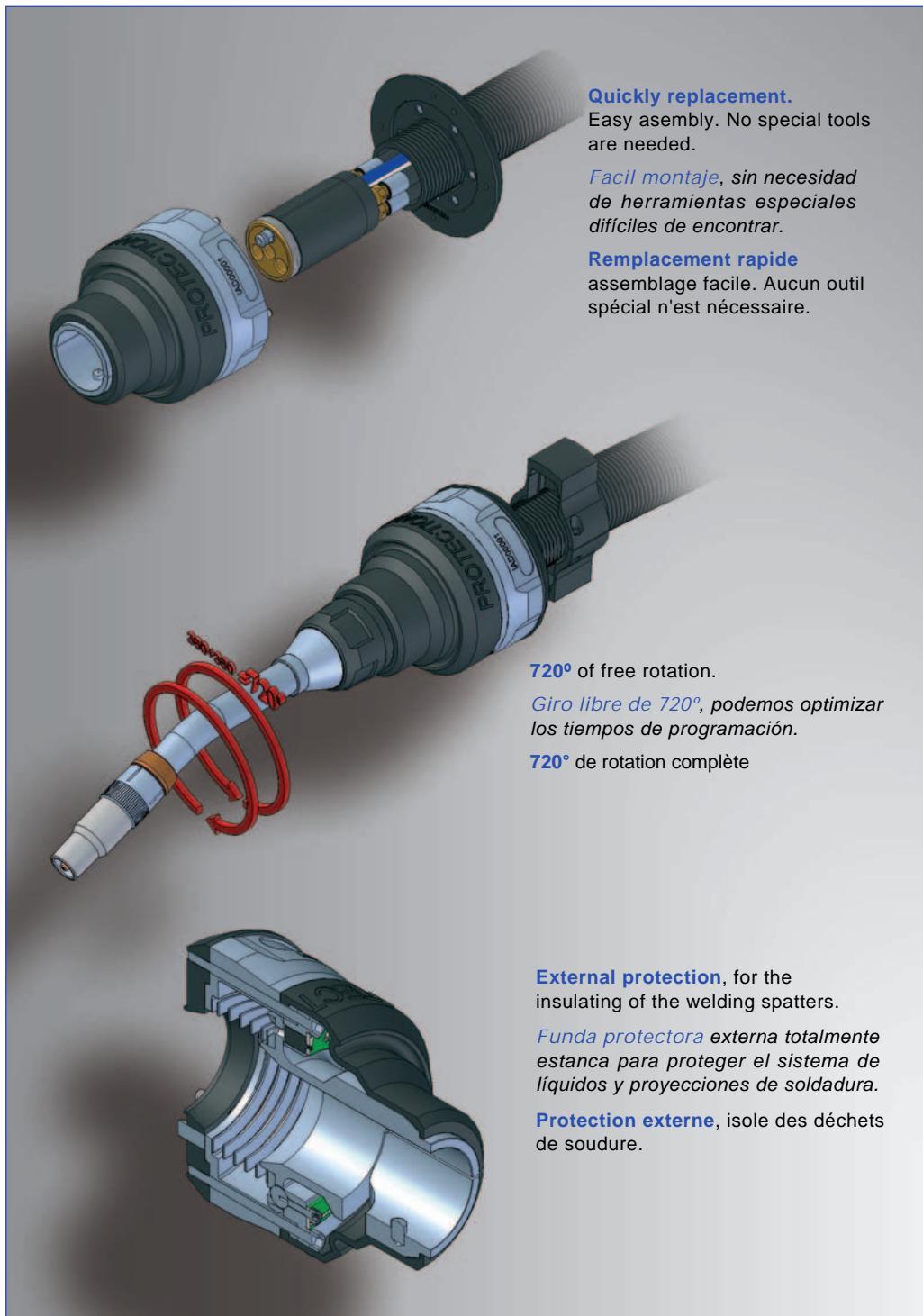
**Conexiones protegidas** de la línea de ataque del brazo robot al interactuar con los periféricos de soldadura.

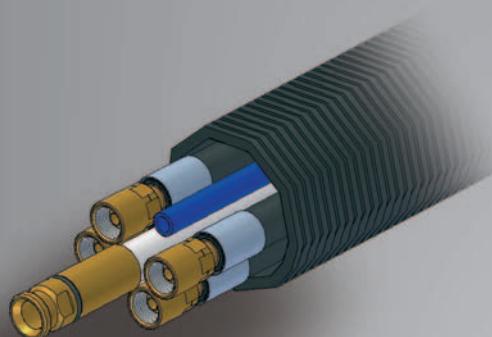
**Connexions protégées** ligne d'attaque du bras robot d'interagir avec les périphériques de soudage.

**Completely modular system** with easily removed parts for repair or replacement and compatible with all models from the EXR range.

**Sistema totalmente modular** de intercambio de piezas por reparación o sustitución y compatible con todos los modelos de la gama EXR.

**Système complètement modulaire** avec partie facilement démontable pour réparation ou échange et compatible avec tous les modèles de la gamme EXR.





#### Multicable system(MCS)

More flexible and more resistance to fatigue of power-cable.

#### Sistema multicable(MCS).

Para ganar flexibilidad y resistencia a la fatiga, de los conductores.

#### Multicable system(MCS)

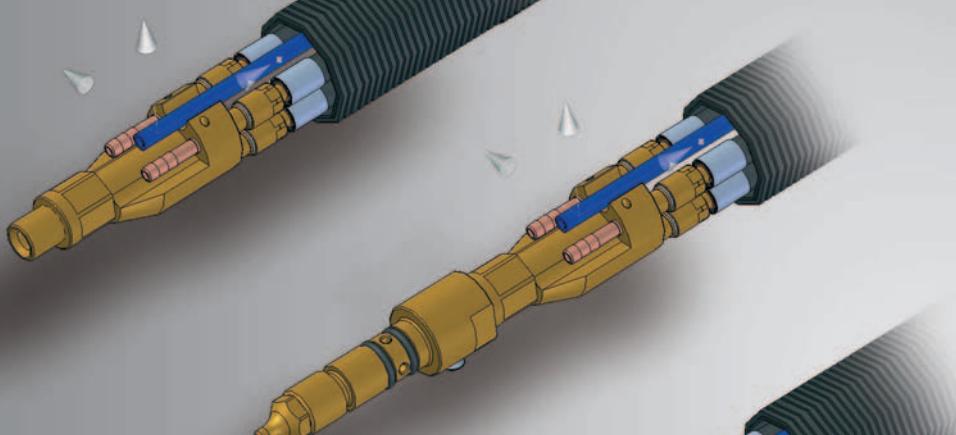
Plus de flexibilité et de résistance pour le câble de puissance.

**Multiconnector.** Possibility of connect any commercial connector with speed effectiveness.

**Multiconector.** Posibilidad de conectar cualquier conector del mercado de una forma rápida y eficaz.

#### Multiple connexion.

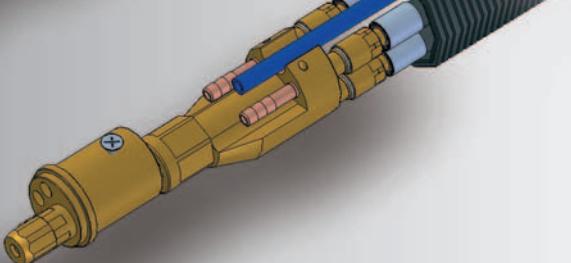
Possibilité de connecter n'importe quel raccord rapidement



El sistema permite adaptar por medio de un espárrago roscado la conexión de la máquina que estemos utilizando.

*El sistema permite adaptar por medio de un espárrago roscado la conexión de la máquina que estemos utilizando.*

Le système peut être adapté pour brancher la machine que vous utilisez.



# NECKS EXR



Quick neck change system, reducing stopping time in case of breakdown.

*El sistema de cambio rápido de los cuellos reduce el tiempo de parada en caso de avería.*

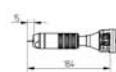
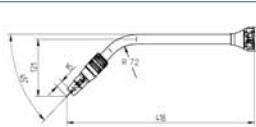
Système d'échange de col rapide, réduisant le temps d'arrêt en cas de panne.



# NECKS EXR

	<b>EXR-0°</b>	<b>EXR-22°</b>	<b>EXR-45°</b>	<b>EXR-22FR°</b>	<b>EXR-22L°</b>
<b>C1</b>	 Ref: 71 1111	 Ref: 71 1211	 Ref: 71 1311	N.A.	 NOTA: +11mm (curva irregular) Ref: PE8001-2
<b>C3</b>	 Ref: 71 1131	 Ref: 71 1231	 Ref: 71 2331	N.A.	 NOTA: +11mm (curva irregular) Ref: PE8001-1
<b>C2W</b>	 Ref: 71 2131	 Ref: 71 2231	 Ref: 71 2331	 Ref: 71 2233	 Ref: 71 2232
<b>C2RS</b>	N.A.	N.A.	N.A.		 Ref: 71 2234
<b>C4W</b>	 Ref: 71 2141	 Ref: 71 2241	 Ref: 71 2341	 Ref: 71 2243	 Ref: 71 2242
<b>C4AS</b>	 Ref: 71 2144	 Ref: 71 2244	 Ref: 71 2344	 Ref: 71 2246	 Ref: 71 2245
<b>C6W</b>	 Ref: 71 2161	 Ref: 71 2261	 Ref: 71 2361		 Ref: 71 2262
<b>C6AUT</b>	 Ref: 71 2163	 Ref: 71 2263	 Ref: 71 2363		N.A.

## NECKS EXR

		<b>EXR-45L°</b>	<b>EXR-45XL°</b>	<b>EXR-30°</b>	<b>EXR-0SH°</b>
<b>C1</b>		<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>
<b>C3</b>		<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>
<b>C2W</b>		<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>
<b>C2RS</b>		<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>
<b>C4W</b>		<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>
<b>C4AS</b>		<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>
<b>C6W</b>		<b>N.A.</b>	<b>N.A.</b>	<b>N.A.</b>	 <b>Ref: PE8005</b>
<b>C6AUT</b>		<b>N.A.</b>	 <b>Ref: PE8019-1</b>	<b>N.A.</b>	<b>N.A.</b>

# SCHEDULE



NECKS

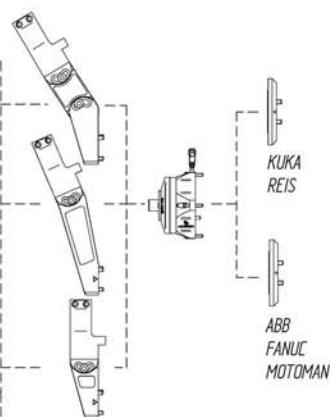
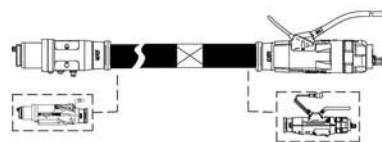
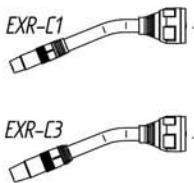
AIR 1

EXR AIR

1

EXR-AC

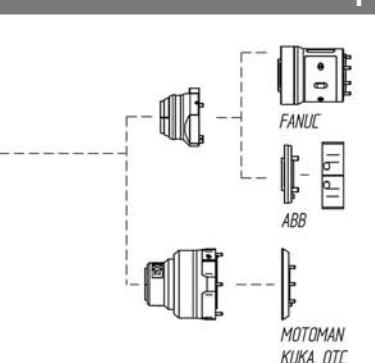
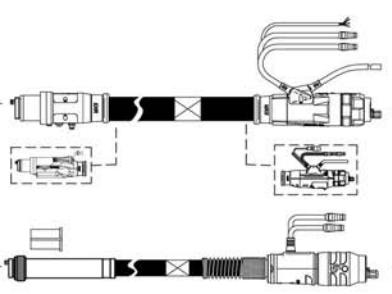
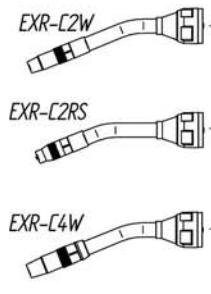
3



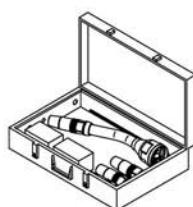
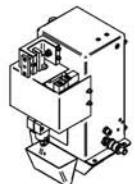
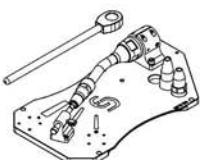
LIQUID 2

EXR LIQUID

2



ACCESSORIES 1





The image shows a close-up of the EXR-C1 welding torch and its control unit. The torch has a green handle labeled 'EXR-C1' and a silver body with a copper-colored electrode holder. It is connected to a black control unit with various buttons and a small screen. A blue gas hose is attached to the torch. In the background, another torch and a control unit are visible.

GUIDANCE METHODE	MECHANICAL
PROCESS TYPE	MIG/MAG
COOLING TYPE	GAS
MIN. - MAX COULANT VOLUME	1.0 l/min
MIN. - MAX COULANT PRESSURE	2.0 - 3.5 Bars
WIRE ELECTRODE DIAMETER	0.6 - 1.0 mm
GAS VOLUME	8 - 15 l/min
STRAIN COMPLIES TO UNE-EN 60974/1	141V DC/AC
TORCH LENGTH	1.3, 1.6, 2.2 m
ELECTRICAL CONTROL	MICRO SWITCH 1A 250V AC
TEST ACCORDING TO RULES	EN 60974-7

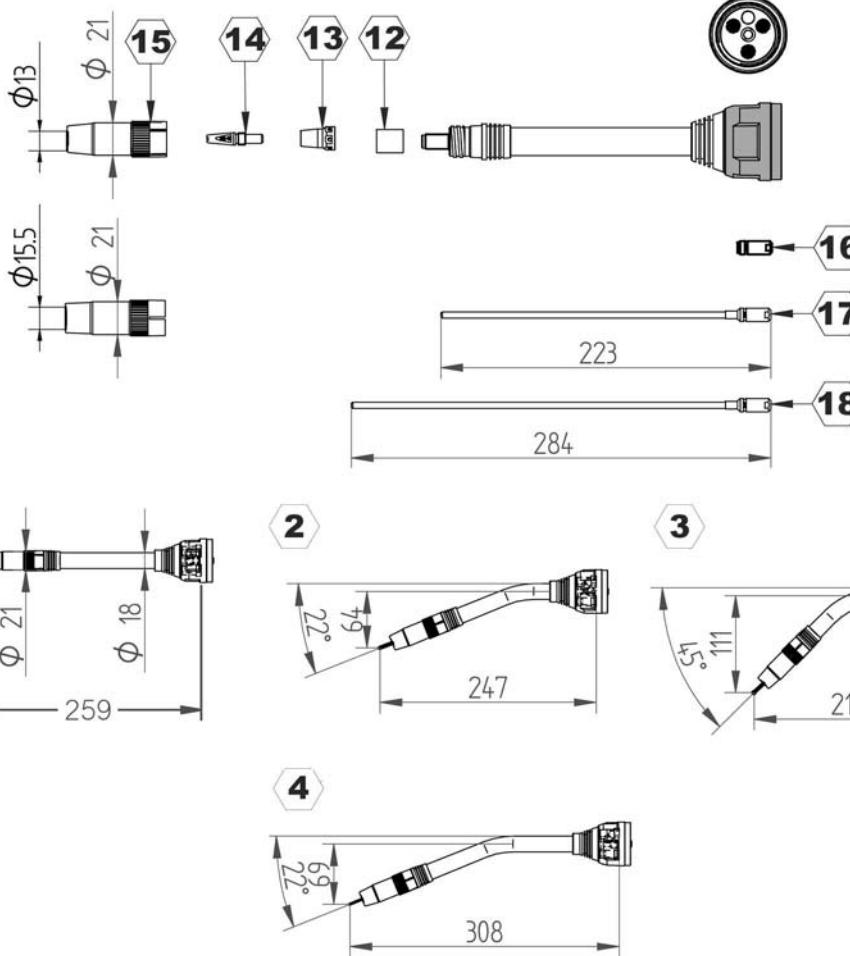
CE

EN 60974-7

RATING	CO <sub>2</sub>	Mixed (Ar+20% CO <sub>2</sub> )	Argon
RATING 60%	258A	235A	214A
RATING 100%	200A	182A	166A

\*With the arc pressed, intensity is reduced by 35%

NECKS



POS.	CODE	DESCRIPTION	PACK
1	71 1111	EXR-C1 0°	1
2	71 1211	EXR-C1 22°	1
3	71 1311	EXR-C1 45°	1
4	PE8001-2	EXR-C1 22° XL	1
12	71 1010 04	EXR-C1	5
13	71 0020 13	EXR-C1/C2W	5
14	71 0020 0006	EXR-C1/C2W Ø0'6MM. (.023") CU.	10
	71 0020 0008	EXR-C1/C2W Ø0'8MM. (.030") CU.	10
	71 0020 0009	EXR-C1/C2W Ø0'9MM. (.035") CU.	10
	71 0020 0010	EXR-C1/C2W Ø1'0MM. (.039") CU.	10
	71 0020 0012	EXR-C1/C2W Ø1'2MM. (.045") CU.	10
	71 0020 0014	EXR-C1/C2W Ø1'4MM. (.052") CU.	10
	71 0020 0016	EXR-C1/C2W Ø1'6MM. (1/16") CU.	10
71 0120 0006	EXR-C1/C2W Ø0'6MM. (.023") CU.CR.ZR.	10	
71 0120 0008	EXR-C1/C2W Ø0'8MM. (.030") CU.CR.ZR.	10	
71 0120 0009	EXR-C1/C2W Ø0'9MM. (.035") CU.CR.ZR.	10	
71 0120 0010	EXR-C1/C2W Ø1'0MM. (.039") CU.CR.ZR.	10	
71 0120 0012	EXR-C1/C2W Ø1'2MM. (.045") CU.CR.ZR.	10	
71 0120 0014	EXR-C1/C2W Ø1'4MM. (.052") CU.CR.ZR.	10	

POS.	CODE	DESCRIPTION	PACK
71 0120 0016	EXR-C1/C2W Ø1'6MM. (1/16") CU.CR.ZR.	10	
71 0021 0008	EXR-C1/C2W Ø0'8MM. (.030") AL.	10	
71 0021 0010	EXR-C1/C2W Ø1'0MM. (.039") AL.	10	
71 0021 0012	EXR-C1/C2W Ø1'2MM. (.045") AL.	10	
15	71 0030 0106	EXR-C1/C2W Ø13'61MM. (.512"2.400")	2
	71 0030 0104	EXR-C1/C2W Ø13'64MM. (.512"2.520")	2
	71 0030 0105	EXR-C1/C2W Ø13'67MM. (.512"2.640")	2
	71 0030 0103	EXR-C1/C2W Ø15'5"61MM. (.610"2.40")	2
	71 0030 0101	EXR-C1/C2W Ø15'5"64MM. (.610"2.52")	2
	71 0030 0102	EXR-C1/C2W Ø15'5"67MM. (.610"2.64")	2
16	71 0000 08	EXR-C	2
17	71 0012	EXR-C2	1
	71 0022	EXR-C2 Ø0'8-1'0MM. (.030"-.039")	1
	71 0032	EXR-C2 Ø1'0-1'2MM. (.039"-.045")	1
	71 0042	EXR-C2 Ø1'2-1'6MM. (.045"-1/16")	1
18	71 0014	EXR-C XL	1
	71 0024	EXR-C XL Ø0'8-1'0MM. (.030"-.039")	1
	71 0034	EXR-C XL Ø1'0-1'2MM. (.039"-.045")	1
	71 0044	EXR-C XL Ø1'2-1'6MM. (.045"-1/16")	1

# EXR-C3



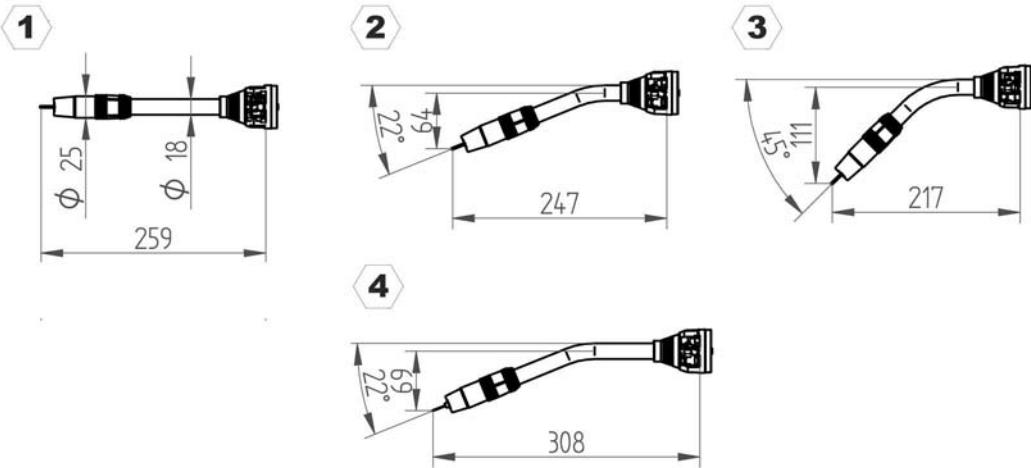
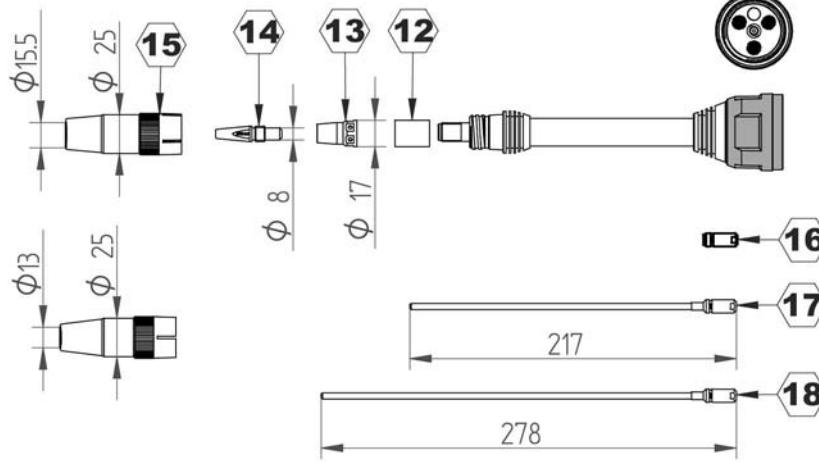
**GUIDANCE METHODE** MECHANICAL  
**PROCESS TYPE** MIG/MAG  
**COOLING TYPE** GAS  
**MIN. - MAX COULANT VOLUME** 1.0 l/min  
**MIN. - MAX COULANT PRESSURE** 2.0 - 3.5 Bars  
**WIRE ELECTRODE DIAMETER** 0.8 - 1.2 mm  
**GAS VOLUME** 8 - 15 l/min  
**STRAIN COMPLIES TO UNE-EN 60974/1** 141V DC/AC  
**TORCH LENGTH** 1.3, 1.6, 2.2 m  
**ELECTRICAL CONTROL** MICRO SWITCH 1A 250V AC

**TEST ACCORDING TO RULES** EN 60974-7

RATING	CO <sub>2</sub>	Mixed (Ar+20% CO <sub>2</sub> )	Argon
RATING 60%	387A	352A	321A
RATING 100%	300A	273A	249A

\*With the arc pressed, intensity is reduced by 35%

**CE**  
**EN 60974-7**



POS.	CODE	DESCRIPTION	PACK
1	71 1131	EXR-C3 0°	1
2	71 1231	EXR-C3 22°	1
3	71 1311	EXR-C3 45°	1
4	PE8001-1	EXR-C3 22° XL	1
12	71 1030 08	EXR-C3	5
13	71 0000 13	EXR-C	5
14	71 0000 0008	EXR-C3/C4W/C6W Ø0'8MM. (.030") CU.	10
	71 0000 0009	EXR-C3/C4W/C6W Ø0'9MM. (.035") CU.	10
	71 0000 0010	EXR-C3/C4W/C6W Ø1'0MM. (.039") CU.	10
	71 0000 0012	EXR-C3/C4W/C6W Ø1'2MM. (.045") CU.	10
	71 0000 0014	EXR-C3/C4W/C6W Ø1'4MM. (.052") CU.	10
	71 0000 0016	EXR-C3/C4W/C6W Ø1'6MM. (1/16") CU.	10
	71 0000 0024	EXR-C3/C4W/C6W Ø2'4MM. (3/32") CU.	10
	71 0001 0010	EXR-C3/C4W/C6W Ø1'0MM. (.039") AL.	10
	71 0001 0012	EXR-C3/C4W/C6W Ø1'2MM. (.045") AL.	10
	71 0001 0016	EXR-C3/C4W/C6W Ø1'6MM. (1/16") AL.	10
	71 0100 0008	EXR-C3/C4W/C6W Ø0'8MM. (.030") CU.CR.ZR.	10
	71 0100 0009	EXR-C3/C4W/C6W Ø0'9MM. (.035") CU.CR.ZR.	10
	71 0100 0010	EXR-C3/C4W/C6W Ø1'0MM. (.039") CU.CR.ZR.	10

POS.	CODE	DESCRIPTION	PACK
71 0100 0012	EXR-C3/C4W/C6W Ø1'2MM. (.045")CU.CR.ZR.	10	
71 0100 0014	EXR-C3/C4W/C6W Ø1'4MM. (.052")CU.CR.ZR.	10	
71 0100 0016	EXR-C3/C4W/C6W Ø1'6MM. (.1/16")CU.CR.ZR.	10	
71 0100 0024	EXR-C3/C4W/C6W Ø2'4MM. (3/32")CU.CR.ZR.	10	
15	71 0010 0106	EXR-C3/C4W Ø13'71MM. (.512"2.800")	2
	71 0010 0104	EXR-C3/C4W Ø13'75MM. (.512"2.950")	2
	71 0010 0105	EXR-C3/C4W Ø13'79MM. (.512"3.110")	2
	71 0010 0103	EXR-C3/C4W Ø15'5"71MM. (.610"2.800")	2
	71 0010 0101	EXR-C3/C4W Ø15'5"75MM. (.610"2.950")	2
	71 0010 0102	EXR-C3/C4W Ø15'5"79MM. (.610"3.110")	2
16	71 0000 08	EXR-C	2
17	71 0011	EXR-C	1
	71 0021	EXR-C Ø0'8-1'0MM (.030"-.039")	1
	71 0031	EXR-C Ø1'0-1'2MM. (.039"-.045")	1
	71 0041	EXR-C Ø1'2-1'6MM. (.045"-1/16")	1
18	71 0014	EXR-C XL	1
	71 0024	EXR-C XL Ø0'8-1'0MM. (.030"-.039")	1
	71 0034	EXR-C XL Ø1'0-1'2MM. (.039"-.045")	1
	71 0044	EXR-C XL Ø1'2-1'6MM. (.045"-1/16")	1

# EXR-C2W



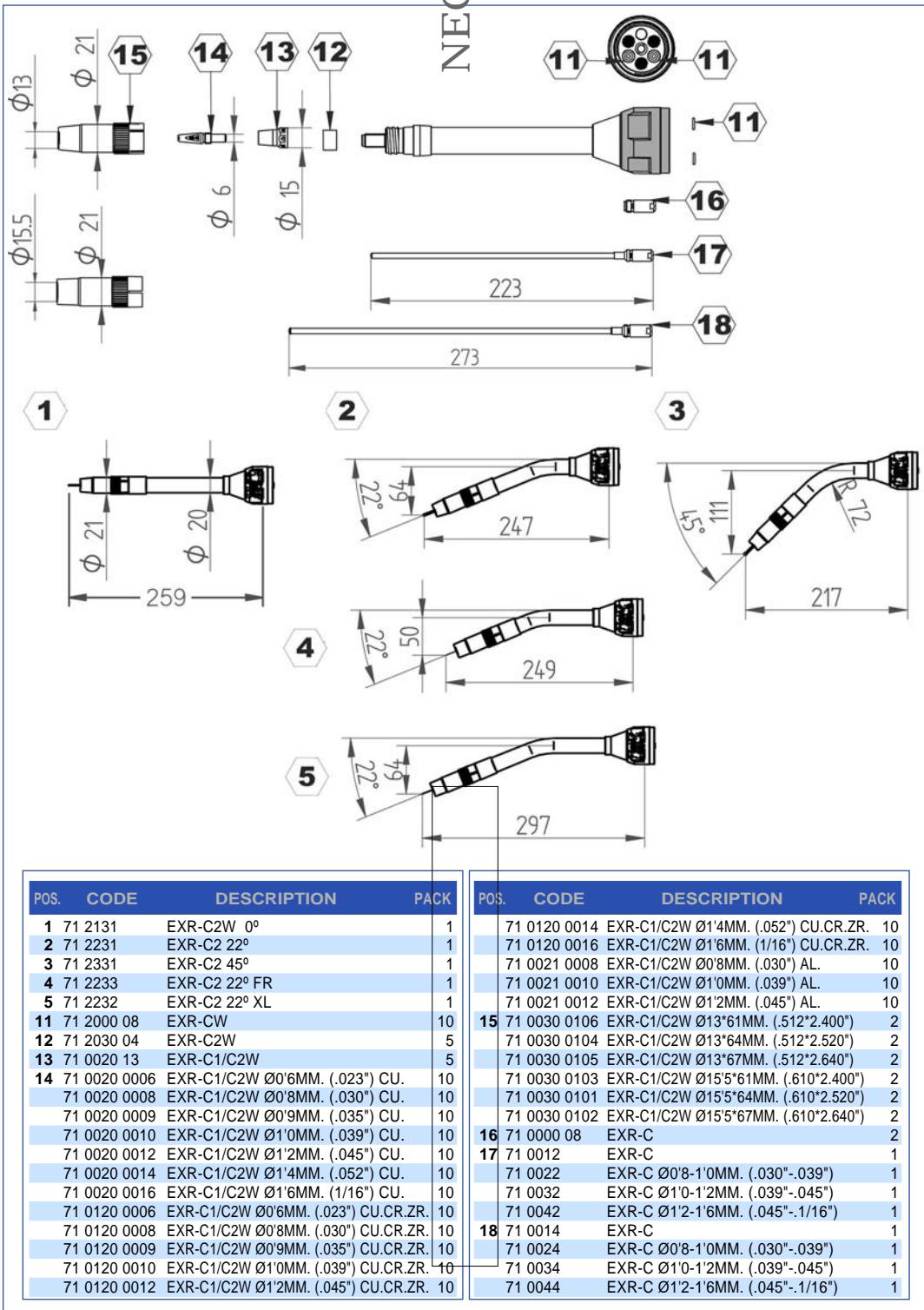
GUIDANCE METHODE	MECHANICAL
PROCESS TYPE	MIG/MAG
COOLING TYPE	LIQUID
MIN. - MAX COULANT VOLUME	1.0 l/min
MIN. - MAX COULANT PRESSURE	2.0 - 3.5 Bars
WIRE ELECTRODE DIAMETER	0.6 - 1.6 mm
GAS VOLUME	10 - 18 l/min
STRAIN COMPLIES TO UNE-EN 60974/1	141V DC/AC
TORCH LENGTH	1.3, 1.6, 2.2 m
ELECTRICAL CONTROL	MICRO SWITCH 1A 250V AC
TEST ACCORDING TO RULES	EN 60974-7

**CE**

**EN 60974-7**

RATING	CO <sub>2</sub>	Mixed (Ar+20% CO <sub>2</sub> )	Argon
RATING 60%	516A	470A	428A
RATING 100%	400A	364A	332A

\*With the arc pressed, intensity is reduced by 35%



# EXR-C2RS



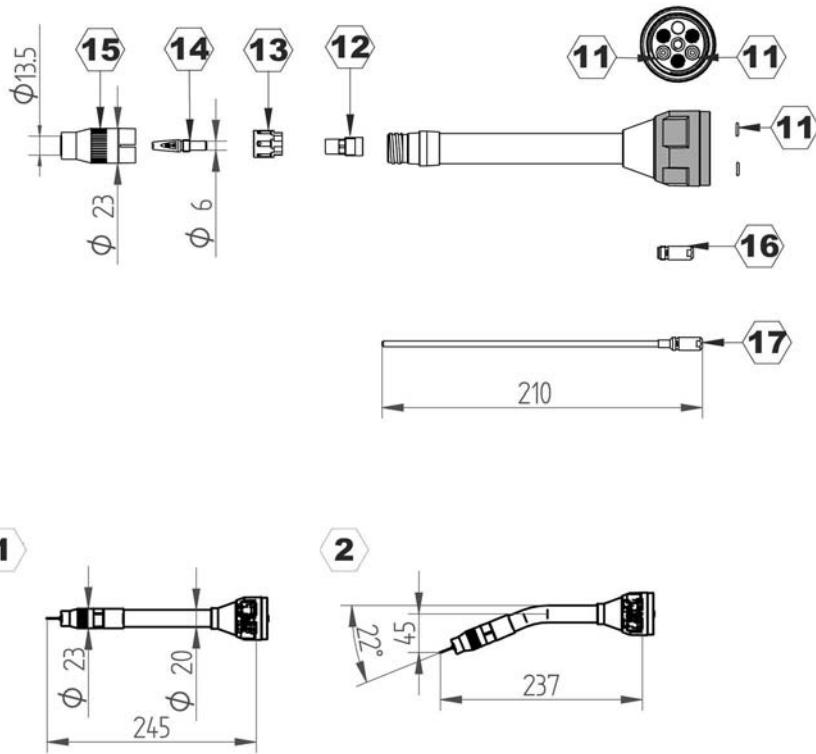
GUIDANCE METHODE	MECHANICAL
PROCESS TYPE	MIG/MAG
COOLING TYPE	LIQUID
MIN. - MAX COULANT VOLUME	1.0 l/min
MIN. - MAX COULANT PRESSURE	2.0 - 3.5 Bars
WIRE ELECTRODE DIAMETER	0.6 - 1.6 mm
GAS VOLUME	10 - 18 l/min
STRAIN COMPLIES TO UNE-EN 60974/1	141V DC/AC
TORCH LENGTH	1.3, 1.6, 2.2 m
ELECTRICAL CONTROL	MICRO SWITCH 1A 250V AC
TEST ACCORDING TO RULES	EN 60974-7

**CE**

**EN 60974-7**

RATING	CO <sub>2</sub>	Mixed (Ar+20% CO <sub>2</sub> )	Argon
RATING 60%	516A	470A	428A
RATING 100%	400A	364A	332A

\*With the arc pressed, intensity is reduced by 35%



POS.	CODE	DESCRIPTION	PACK	POS.	CODE	DESCRIPTION	PACK
1	71 2034	EXR-C2RS 0°	1	71 0120 0009	EXR-C1/C2W Ø0'9MM. (.035") CU.CR.ZR.	10	
2	71 2234	EXR-C2RS 22° FR	1	71 0120 0010	EXR-C1/C2W Ø1'0MM. (.039") CU.CR.ZR.	10	
11	71 2000 08	EXR-CW	10	71 0120 0012	EXR-C1/C2W Ø1'2MM. (.045") CU.CR.ZR.	10	
12	71 0021 03	EXR-C2RS	5	71 0120 0014	EXR-C1/C2W Ø1'4MM. (.052") CU.CR.ZR.	10	
13	71 2030 14	EXR-C2RS	5	71 0120 0016	EXR-C1/C2W Ø1'6MM. (1/16") CU.CR.ZR.	10	
14	71 0020 0006	EXR-C1/C2W Ø0'6MM. (.023") CU.	10	71 0021 0008	EXR-C1/C2W Ø0'8MM. (.030") AL.	10	
	71 0020 0008	EXR-C1/C2W Ø0'8MM. (.030") CU.	10	71 0021 0010	EXR-C1/C2W Ø1'0MM. (.039") AL.	10	
	71 0020 0009	EXR-C1/C2W Ø0'9MM. (.035") CU.	10	71 0021 0012	EXR-C1/C2W Ø1'2MM. (.045") AL.	10	
	71 0020 0010	EXR-C1/C2W Ø1'0MM. (.039") CU.	10	15	71 0020 0107	EXR-C2RS Ø13'5*49MM.	2
	71 0020 0012	EXR-C1/C2W Ø1'2MM. (.045") CU.	10	71 0020 0108	EXR-C2RS Ø11*55MM.	2	
	71 0020 0014	EXR-C1/C2W Ø1'4MM. (.052") CU.	10	16	71 0000 08	EXR-C	2
	71 0020 0016	EXR-C1/C2W Ø1'6MM. (1/16") CU.	10	17	71 0122	EXR-C2RS Ø0'8-1'0MM. (.030"-.039")	1
	71 0120 0006	EXR-C1/C2W Ø0'6MM. (.023") CU.CR.ZR.	10		71 0132	EXR-C2RS Ø1'0-1'2MM. (.039"-.045")	1
	71 0120 0008	EXR-C1/C2W Ø0'8MM. (.030") CU.CR.ZR.	10		71 0142	EXR-C2RS Ø1'2-1'6MM. (.045"-.1/16")	1

# EXR-C4W



GUIDANCE METHODE	MECHANICAL
PROCESS TYPE	MIG/MAG
COOLING TYPE	LIQUID
MIN. - MAX COULANT VOLUME	1.0 l/min
MIN. - MAX COULANT PRESSURE	2.0 - 3.5 Bars
WIRE ELECTRODE DIAMETER	0.8 - 2.0 mm
GAS VOLUME	8 - 20 l/min
STRAIN COMPLIES TO UNE-EN 60974/1	141V DC/AC
TORCH LENGTH	1.3, 1.6, 2.2 m
ELECTRICAL CONTROL	MICRO SWITCH 1A 250V AC
TEST ACCORDING TO RULES	EN 60974-7

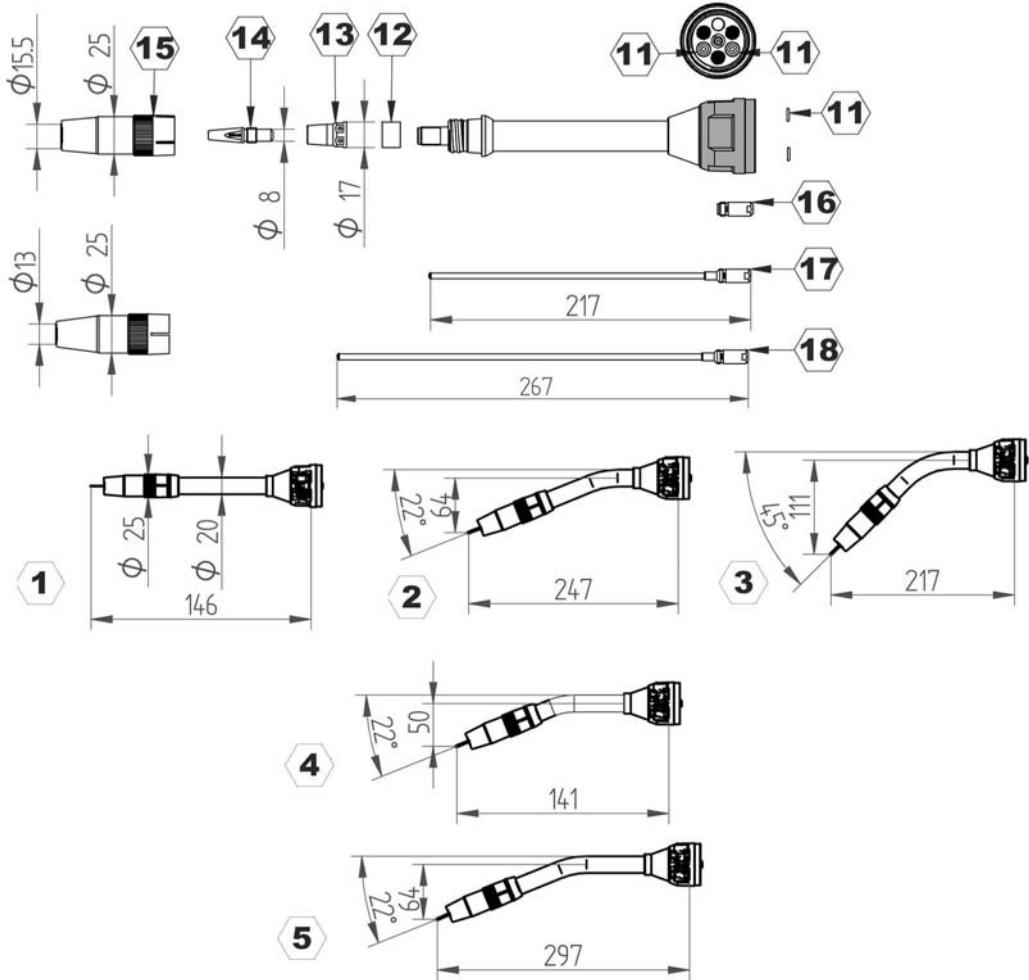
RATING	CO <sub>2</sub>	Mixed (Ar+20% CO <sub>2</sub> )	Argon
RATING 60%	645A	587A	575A
RATING 100%	500A	455A	415A

EN 60974-7

\*With the arc pressed, intensity is reduced by 35%



## NECKS



POS.	CODE	DESCRIPTION	PACK
1	71 2141	EXR-C4W 0°	1
2	71 2241	EXR-C4W 22°	1
3	71 2341	EXR-C4W 45°	1
4	71 2243	EXR-C4W 22° FR	1
5	71 2245	EXR-C4W 22° XL	1
11	71 2000 08	EXR-CW	10
12	71 2040 04	EXR-C4W	5
13	71 0000 13	EXR-C	5
14	71 0000 0008	EXR-C3/C4W/C6W Ø0'8MM. (.030") CU.	10
	71 0000 0009	EXR-C3/C4W/C6W Ø0'9MM. (.035") CU.	10
	71 0000 0010	EXR-C3/C4W/C6W Ø1'0MM. (.039") CU.	10
	71 0000 0012	EXR-C3/C4W/C6W Ø1'2MM. (.045") CU.	10
	71 0000 0014	EXR-C3/C4W/C6W Ø1'4MM. (.052") CU.	10
	71 0000 0016	EXR-C3/C4W/C6W Ø1'6MM. (1/16") CU.	10
	71 0000 0024	EXR-C3/C4W/C6W Ø2'4MM. (3/32") CU.	10
	71 0001 0010	EXR-C3/C4W/C6W Ø1'0MM. (.039") CU.	10
	71 0001 0012	EXR-C3/C4W/C6W Ø1'2MM. (.045") CU.	10
	71 0001 0016	EXR-C3/C4W/C6W Ø1'6MM. (1/16") CU.	10
	71 0100 0008	EXR-C3/C4W/C6W Ø0'8MM. (.030") CU.CR.ZR.	10
	71 0100 0009	EXR-C3/C4W/C6W Ø0'9MM. (.035") CU.CR.ZR.	10

POS.	CODE	DESCRIPTION	PACK
71 0100 0010	EXR-C3/C4W/C6W Ø1'0MM. (.039") CU.CR.ZR.	10	
71 0100 0012	EXR-C3/C4W/C6W Ø1'2MM. (.045") CU.CR.ZR.	10	
71 0100 0014	EXR-C3/C4W/C6W Ø1'4MM. (.052") CU.CR.ZR.	10	
71 0100 0016	EXR-C3/C4W/C6W Ø1'6MM. (1/16") CU.CR.ZR.	10	
71 0100 0024	EXR-C3/C4W/C6W Ø2'4MM. (3/32") CU.CR.ZR.	10	
15	71 0010 0106	EXR-C3/C4W/C6W Ø13'71MM. (.512*2.800")	5
	71 0010 0104	EXR-C3/C4W/C6W Ø13'75MM. (.512*2.950")	5
	71 0010 0105	EXR-C3/C4W/C6W Ø13'79MM. (.512*3.110")	5
	71 0010 0103	EXR-C3/C4W/C6W Ø15'571MM. (.610*2.800")	5
	71 0010 0101	EXR-C3/C4W/C6W Ø15'575MM. (.610*2.950")	5
	71 0010 0102	EXR-C3/C4W/C6W Ø15'579MM. (.610*3.110")	5
16	71 0000 08	EXR-C	2
17	71 0011	EXR-C	1
	71 0021	EXR-C Ø0'8-1'0MM. (.030"-.039")	1
	71 0031	EXR-C Ø1'0-1'2MM. (.039"-.045")	1
	71 0041	EXR-C Ø1'2-1'6MM. (.045"-.1/16")	1
18	71 0013	EXR-C	1
	71 0023	EXR-C Ø0'8-1'0MM. (.030"-.039")	1
	71 0033	EXR-C Ø1'0-1'2MM. (.039"-.045")	1
	71 0043	EXR-C Ø1'2-1'6MM. (.045"-.1/16")	1

# EXR-C4AS



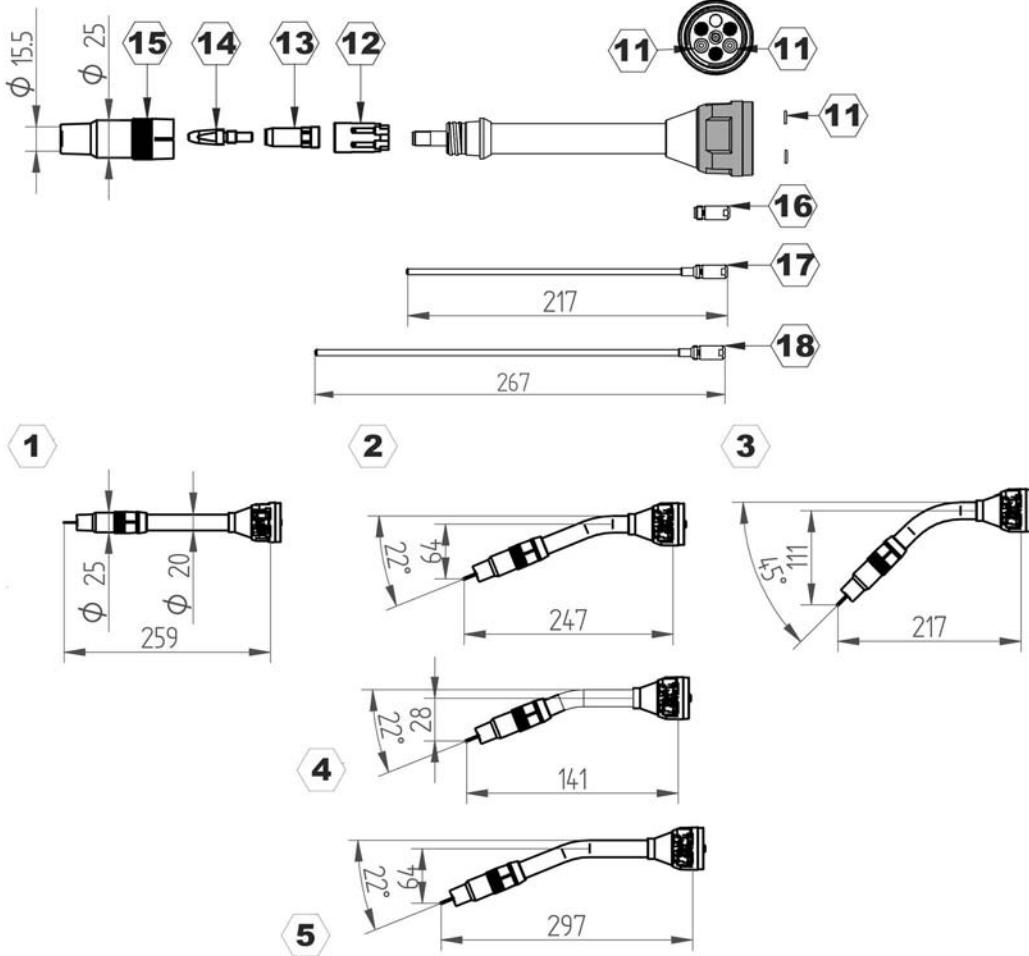
GUIDANCE METHODE	MECHANICAL
PROCESS TYPE	MIG/MAG
COOLING TYPE	LIQUID
MIN. - MAX COULANT VOLUME	1.0 l/min
MIN. - MAX COULANT PRESSURE	2.0 - 3.5 Bars
WIRE ELECTRODE DIAMETER	0.8 - 2.0 mm
GAS VOLUME	8 - 20 l/min
STRAIN COMPLIES TO UNE-EN 60974/1	141V DC/AC
TORCH LENGTH	1.3, 1.6, 2.2 m
ELECTRICAL CONTROL	MICRO SWITCH 1A 250V AC
TEST ACCORDING TO RULES	EN 60974-7

RATING	CO <sub>2</sub>	Mixed (Ar+20% CO <sub>2</sub> )	Argon
RATING 60%	645A	587A	575A
RATING 100%	500A	455A	415A

EN 60974-7

\*With the arc pressed, intensity is reduced by 35%





POS.	CODE	DESCRIPTION	PACK
1	71 2144	EXR-C4W 0°	1
2	71 2244	EXR-C4W 22°	1
3	71 2344	EXR-C4W 45°	1
4	71 2246	EXR-C4W 22° FR	1
5	71 2245	EXR-C4W 22° XL	1
11	71 2000 08	EXR-CW	10
12	71 2040 15	EXR-C4AS	5
13	71 0000 14	EXR-C4AS	5
14	71 0030 0008	EXR-C4AS Ø 0'8MM. (.030") CU.	10
	71 0030 0009	EXR-C4AS Ø 0'9MM. (.035") CU.	10
	71 0030 0010	EXR-C4AS Ø 1'0MM. (.039") CU.	10
	71 0030 0012	EXR-C4AS Ø 1'2MM. (.045") CU.	10
	71 0030 0014	EXR-C4AS Ø 1'4MM. (.052") CU.	10
	71 0030 0016	EXR-C4AS Ø 1'6MM. (1/16") CU.	10
	71 0030 0024	EXR-C4AS Ø 2'4MM. (3/32") CU.	10
	71 0031 0010	EXR-C4AS Ø 1'0MM. (.039") AL.	10
	71 0031 0012	EXR-C4AS Ø 1'2MM. (.045") AL.	10
	71 0031 0016	EXR-C4AS Ø 1'6MM. (1/16") AL.	10
	71 0130 0008	EXR-C4AS Ø 0'8MM. (.030") CU.CR.ZR.	10
	71 0130 0009	EXR-C4AS Ø 0'9MM. (.035") CU.CR.ZR.	10

POS.	CODE	DESCRIPTION	PACK
	71 0130 0010	EXR-C4AS Ø 1'0MM. (.039") CU.CR.ZR.	10
	71 0130 0012	EXR-C4AS Ø 1'2MM. (.045") CU.CR.ZR.	10
	71 0130 0014	EXR-C4AS Ø 1'4MM. (.052") CU.CR.ZR.	10
	71 0130 0016	EXR-C4AS Ø 1'6MM. (1/16") CU.CR.ZR.	10
	71 0130 0024	EXR-C4AS Ø 2'4MM. (3/32") CU.CR.ZR.	10
15	71 0000 0107	EXR-C4AS	2
	71 0000 0108	EXR-C4AS	2
16	71 0000 08	EXR-C	2
17	71 0011	EXR-C	1
	71 0021	EXR-C Ø 0'8-1'0MM. (.030"-.039")	1
	71 0031	EXR-C Ø 1'0-1'2MM. (.039"-.045")	1
	71 0041	EXR-C Ø 1'2-1'6MM. (.045"-.1/16")	1
	71 0035	EXR-C Ø 0'8-1'0MM. (.039"-.045") AL.	1
	71 0045	EXR-C Ø 1'2-1'6MM. (.045"-.1/16") AL.	1
18	71 0013	EXR-C	1
	71 0023	EXR-C Ø 0'8-1'0MM. (.030"-.039")	1
	71 0033	EXR-C Ø 1'0-1'2MM. (.039"-.045")	1
	71 0043	EXR-C Ø 1'2-1'6MM. (.045"-.1/16")	1
	71 0037	EXR-C Ø 1'0-1'2MM. (.039"-.045") AL.	1
	71 0047	EXR-C Ø 1'2-1'6MM. (.045"-.1/16") AL.	1

# EXR-C6W



GUIDANCE METHODE	MECHANICAL
PROCESS TYPE	MIG/MAG
COOLING TYPE	LIQUID
MIN. - MAX COULANT VOLUME	1.0 l/min
MIN. - MAX COULANT PRESSURE	2.0 - 3.5 Bars
WIRE ELECTRODE DIAMETER	0.8 - 2.4 mm
GAS VOLUME	8 - 25 l/min
STRAIN COMPLIES TO UNE-EN 60974/1	141V DC/AC
TORCH LENGTH	1.3, 1.6, 2.2 m
ELECTRICAL CONTROL	MICRO SWITCH 1A 250V AC
TEST ACCORDING TO RULES	EN 60974-7

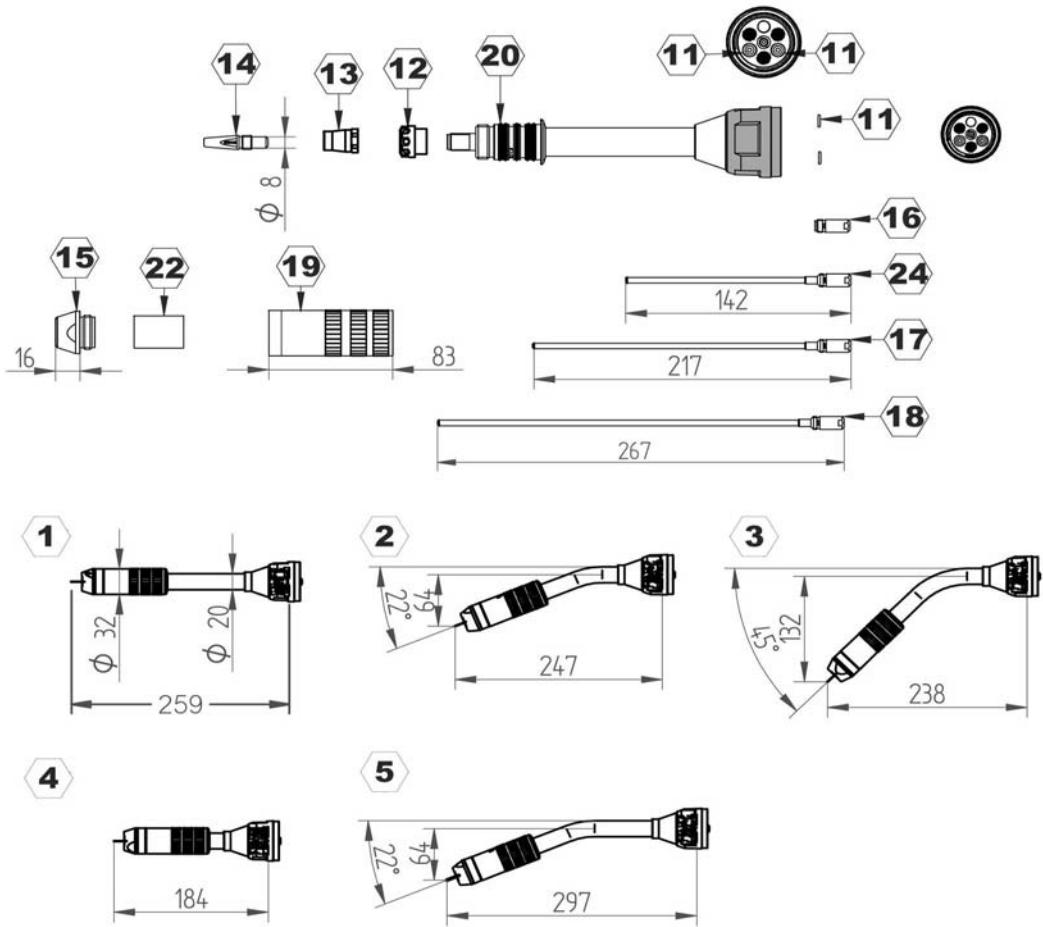
**CE**

**EN 60974-7**

RATING	CO <sub>2</sub>	Mixed (Ar+20% CO <sub>2</sub> )	Argon
RATING 60%	774A	704A	642A
RATING 100%	600A	546A	498A

\*With the arc pressed, intensity is reduced by 35%

NECKS



POS.	CODE	DESCRIPTION	PACK
1	71 2161	EXR-C6W 0°	1
2	71 2261	EXR-C6W 22°	1
3	71 2361	EXR-C6W 45°	1
4	PE8005	EXR-C6W 0° SH	1
5	71 2262	EXR-C6W 22° XL.	1
11	71 2000 08	EXR-CW	10
12	71 2060 04	EXR-C6W	5
13	71 0000 13	EXR-C	5
14	71 0000 0008	EXR-C3/C4W/C6W Ø0'8MM. (.030") CU.	10
	71 0000 0009	EXR-C3/C4W/C6W Ø0'9MM. (.035") CU.	10
	71 0000 0010	EXR-C3/C4W/C6W Ø1'0MM. (.039") CU.	10
	71 0000 0012	EXR-C3/C4W/C6W Ø1'2MM. (.045") CU.	10
	71 0000 0014	EXR-C3/C4W/C6W Ø1'4MM. (.052") CU.	10
	71 0000 0016	EXR-C3/C4W/C6W Ø1'6MM. (.061") CU.	10
	71 0000 0024	EXR-C3/C4W/C6W Ø2'4MM. (.032") CU.	10
	71 0001 0010	EXR-C3/C4W/C6W Ø1'0MM. (.039") AL.	10
	71 0001 0012	EXR-C3/C4W/C6W Ø1'2MM. (.045") AL.	10
	71 0001 0016	EXR-C3/C4W/C6W Ø1'6MM. (.061") AL.	10
	71 0100 0008	EXR-C3/C4W/C6W Ø0'8MM. (.030") CU.CR.ZR.	10
	71 0100 0009	EXR-C3/C4W/C6W Ø0'9MM. (.035") CU.CR.ZR.	10
	71 0100 0010	EXR-C3/C4W/C6W Ø1'0MM. (.039") CU.CR.ZR.	10
	71 0100 0012	EXR-C3/C4W/C6W Ø1'2MM. (.045") CU.CR.ZR.	10

POS.	CODE	DESCRIPTION	PACK
71 0100 0014		EXR-C3/C4W/C6W Ø1'4MM. (.052")CU.CR.ZR.	10
71 0100 0016		EXR-C3/C4W/C6W Ø1'6MM. (.061")CU.CR.ZR.	10
71 0100 0024		EXR-C3/C4W/C6W Ø2'4MM. (.032")CU.CR.ZR.	10
15	71 2060 1001	EXR-C6W Ø1'5'13MM(.610-.512")	2
	71 2060 1002	EXR-C6W Ø18*13MM. (.709-.512")	2
	71 2060 1003	EXR-C6W Ø21*13MM. (.827-.512")	2
16	71 0000 08	EXR-C	2
17	71 0011	EXR-C	1
	71 0021	EXR-C Ø0'8-1'0MM. (.030"-.039")	1
	71 0031	EXR-C Ø1'0-1'2MM. (.039"-.045")	1
	71 0041	EXR-C Ø1'2-1'6MM. (.045"-1/16")	1
18	71 0013	EXR-C	1
	71 0023	EXR-C Ø0'8-1'0MM. (.030"-.039")	1
	71 0033	EXR-C Ø1'0-1'2MM. (.039"-.045")	1
	71 0043	EXR-C Ø1'2-1'6MM. (.045"-1/16")	1
19	71 2060 09	EXR-C6W	1
20	71 2060 07	EXR-C6W	10
22	71 0000 02	EXR-C6W	2
24	PE800509	EXR-C Ø0'8-1'0MM. (.030"-.039")	1
	PE800510	EXR-C Ø1'0-1'2MM. (.039"-.045")	1
	PE800511	EXR-C Ø1'2-1'6MM. (.045"-1/16")	1

# EXR-C6AUT



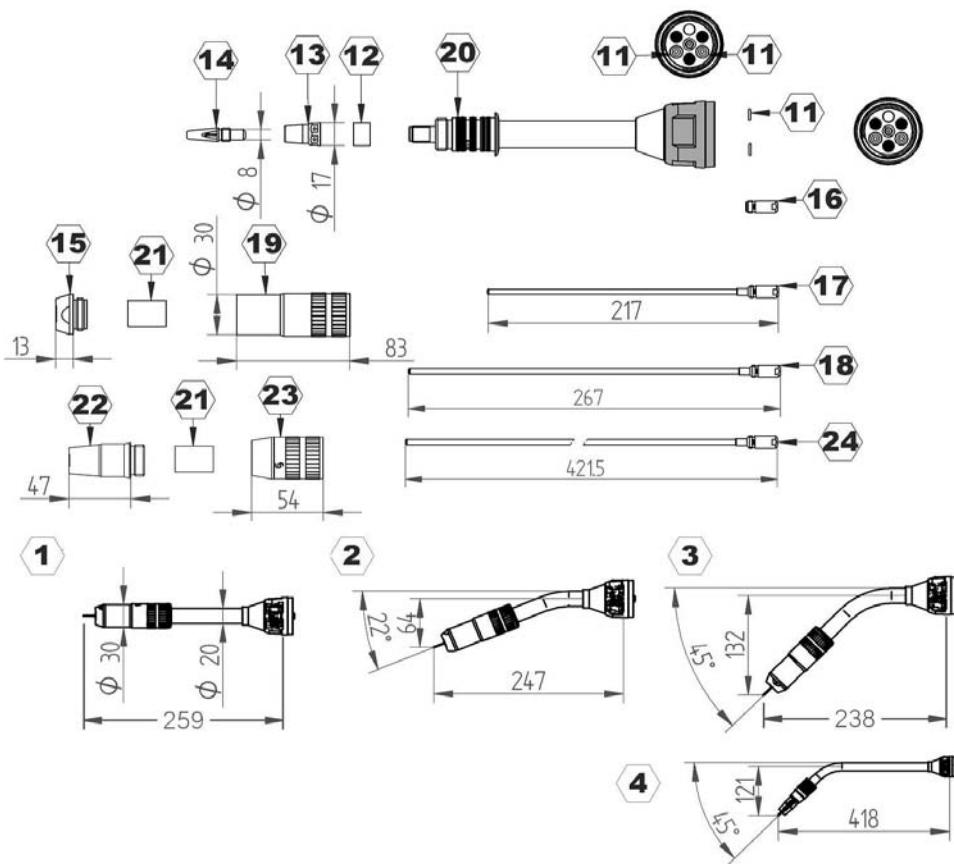
GUIDANCE METHODE	MECHANICAL
PROCESS TYPE	MIG/MAG
COOLING TYPE	LIQUID
MIN. - MAX COULANT VOLUME	1.0 l/min
MIN. - MAX COULANT PRESSURE	2.0 - 3.5 Bars
WIRE ELECTRODE DIAMETER	0.8 - 2.4 mm
GAS VOLUME	8 - 25 l/min
STRAIN COMPLIES TO UNE-EN 60974/1	141V DC/AC
TORCH LENGTH	1.3, 1.6, 2.2 m
ELECTRICAL CONTROL	MICRO SWITCH 1A 250V AC
TEST ACCORDING TO RULES	EN 60974-7

**CE**

**EN 60974-7**

RATING	CO <sub>2</sub>	Mixed (Ar+20% CO <sub>2</sub> )	Argon
RATING 60%	774A	704A	642A
RATING 100%	600A	546A	498A

\*With the arc pressed, intensity is reduced by 35%



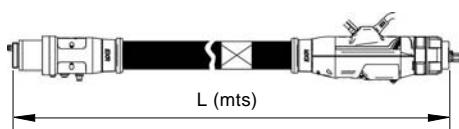
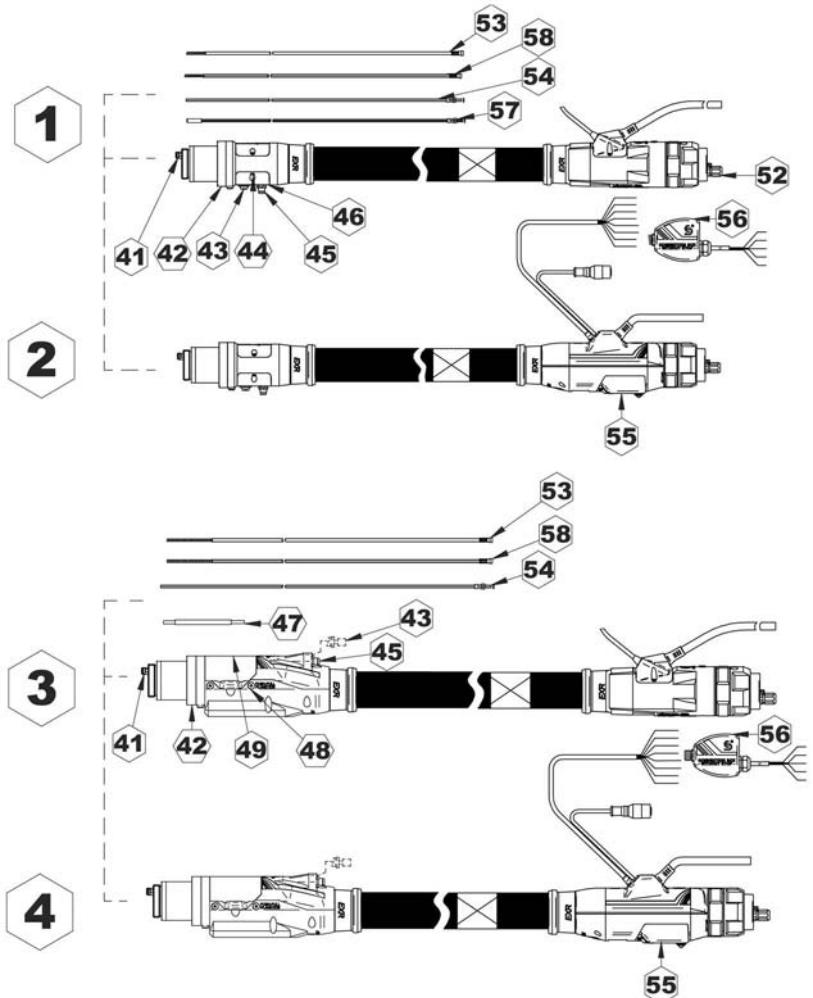
POS.	CODE	DESCRIPTION	PACK
1	71 2163	EXR C6W-AUT 0°	1
2	71 2263	EXR C6W-AUT 22°	1
3	71 2363	EXR C6W-AUT 45°	1
4	PE8019-1	EXR C6W-AUT 45° XL.	1
11	71 2000 08	EXR-CW	10
12	71 2040 04	EXR-C	5
13	71 0000 13	EXR-C	5
14	71 0000 008	EXR-C3/C4W/C6W Ø0'8MM. (.030") CU.	10
	71 0000 009	EXR-C3/C4W/C6W Ø0'9MM. (.035") CU.	10
	71 0000 010	EXR-C3/C4W/C6W Ø1'0MM. (.039") CU.	10
	71 0000 012	EXR-C3/C4W/C6W Ø1'2MM. (.045") CU.	10
	71 0000 014	EXR-C3/C4W/C6W Ø1'4MM. (.052") CU.	10
	71 0000 016	EXR-C3/C4W/C6W Ø1'6MM. (1/16") CU.	10
	71 0000 024	EXR-C3/C4W/C6W Ø2'4MM. (3/32") CU.	10
	71 0001 010	EXR-C3/C4W/C6W Ø1'0MM. (.039") AL.	10
	71 0001 012	EXR-C3/C4W/C6W Ø1'2MM. (.045") AL.	10
	71 0001 016	EXR-C3/C4W/C6W Ø1'6MM. (1/16") AL.	10
	71 0100 008	EXR-C3/C4W/C6W Ø0'8MM. (.030") CU.CR.ZR.	10
	71 0100 009	EXR-C3/C4W/C6W Ø0'9MM. (.035") CU.CR.ZR.	10
	71 0100 010	EXR-C3/C4W/C6W Ø1'0MM. (.039") CU.CR.ZR.	10
	71 0100 012	EXR-C3/C4W/C6W Ø1'2MM. (.045") CU.CR.ZR.	10
	71 0100 014	EXR-C3/C4W/C6W Ø1'4MM. (.052") CU.CR.ZR.	10
	71 0100 016	EXR-C3/C4W/C6W Ø1'6MM. (1/16") CU.CR.ZR.	10
	71 0100 024	EXR-C3/C4W/C6W Ø2'4MM. (3/32") CU.CR.ZR.	10

POS.	CODE	DESCRIPTION	PACK
15	71 2061 1001	EXR C6W-AUT 15'5*13(.610-.512)	2
	71 2061 1002	EXR C6W-AUT 18*13(.709-.512")	2
	71 2061 1003	EXR C6W-AUT 21*13(.827-.512")	2
	71 2061 1004	EXR C6W-AUT Ø21*16MM	2
	71 2061 1005	EXR C6W-AUT Ø18*16MM	2
16	71 0000 08	EXR-C	2
17	71 0011	EXR-C	1
	71 0021	EXR-C Ø0'8-1'0MM. (.030"-.039")	1
	71 0031	EXR-C Ø1'0-1'2MM. (.039"-.045")	1
	71 0041	EXR-C Ø1'2-1'6MM. (.045"-1/16")	1
18	71 0013	EXR-C	1
	71 0023	EXR-C Ø0'8-1'0MM. (.030"-.039")	1
	71 0033	EXR-C Ø1'0-1'2MM. (.039"-.045")	1
	71 0043	EXR-C Ø1'2-1'6MM. (.045"-1/16")	1
19	71 2061 09	EXR C6W-AUT	1
20	71 2060 07	EXR-C6W	10
21	71 0000 02	EXR-C6W	2
22	71 2060 1201	EXR C6W-AUT	2
23	71 2060 11	EXR C6W-AUT	1
24	PE8019105	EXR-C Ø1'0-1'2MM. (.039"-.045")	1



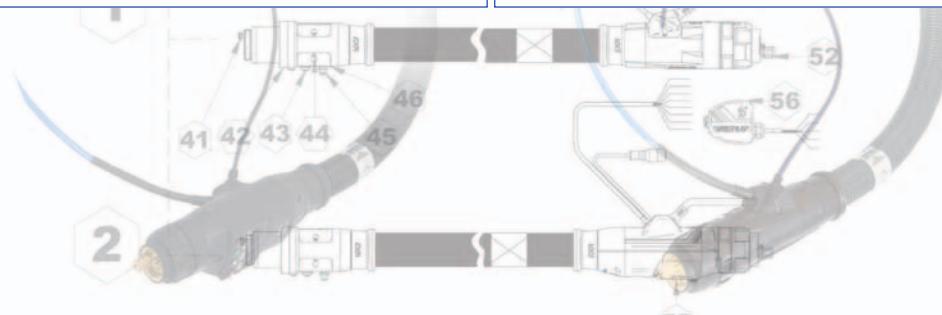
**EXR-TC**



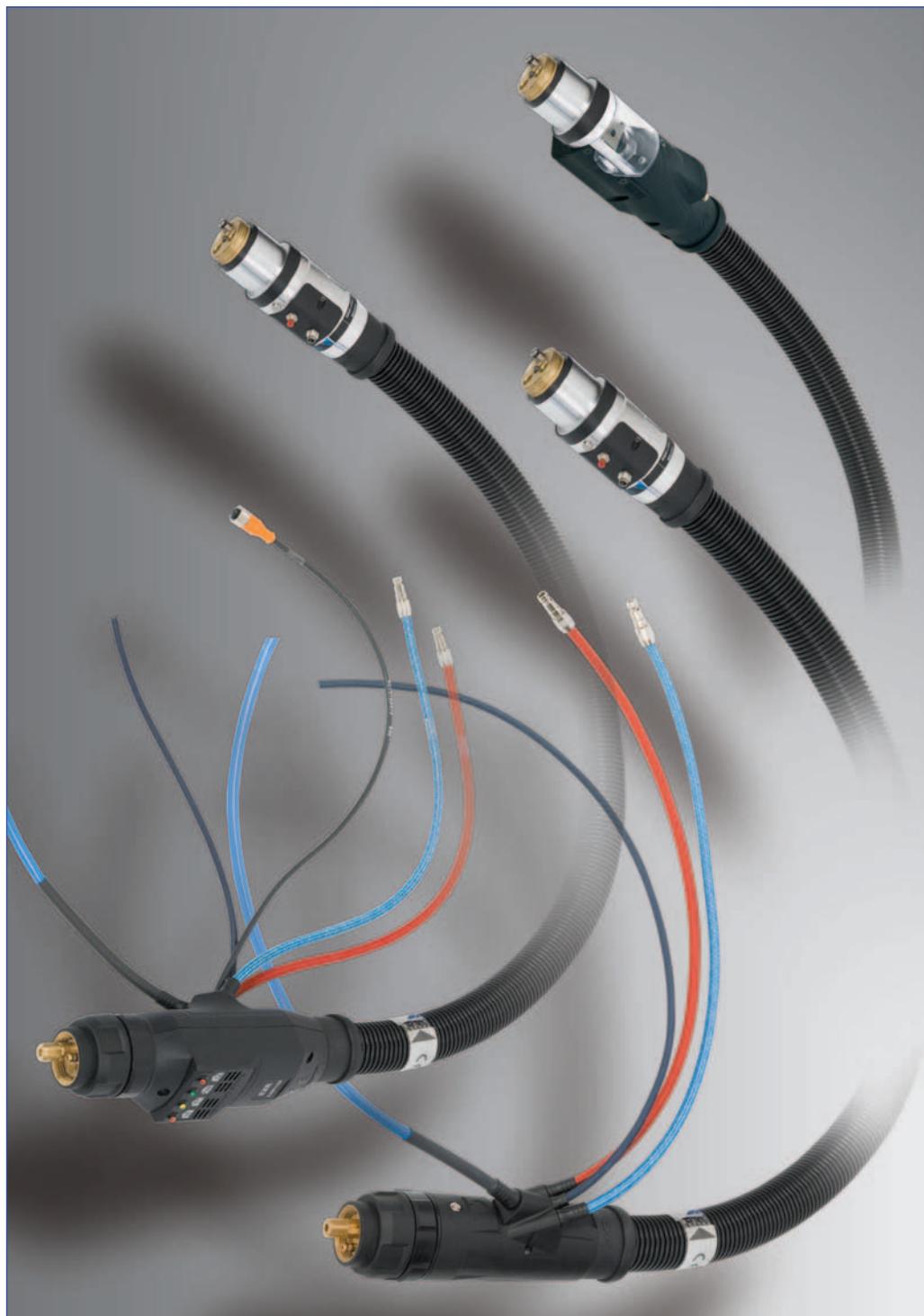


POS.	CODE	DESCRIPTION	PACK
1	79 1001	EXR-C 1'00 MTRS. 3.28 FT.	1
	79 1002	EXR-C 1'10 MTRS. 3.61 FT.	1
	79 1003	EXR-C 1'20 MTRS. 3.94 FT.	1
	79 1004	EXR-C 1'30 MTRS. 4.27 FT.	1
	79 1005	EXR-C 1'40 MTRS. 4.59 FT.	1
	79 1006	EXR-C 1'50 MTRS. 4.92 FT.	1
	79 1007	EXR-C 1'60 MTRS. 5.25 FT.	1
	79 1008	EXR-C 1'70 MTRS. 5.58 FT.	1
	79 1009	EXR-C 1'80 MTRS. 5.91 FT.	1
	79 1010	EXR-C 1'90 MTRS. 6.23 FT.	1
	79 1011	EXR-C 2'00 MTRS. 6.56 FT.	1
	79 1012	EXR-C 2'20 MTRS. 7.22 FT.	1
2	79 4001	EXR-C 1'00 MTRS. 3.28 FT. WOS	1
	79 4002	EXR-C 1'10 MTRS. 3.61 FT. WOS	1
	79 4003	EXR-C 1'20 MTRS. 3.94 FT. WOS	1
	79 4004	EXR-C 1'30 MTRS. 4.27 FT. WOS	1
	79 4005	EXR-C 1'40 MTRS. 4.59 FT. WOS	1
	79 4006	EXR-C 1'50 MTRS. 4.92 FT. WOS	1
	79 4007	EXR-C 1'60 MTRS. 5.25 FT. WOS	1
	79 4008	EXR-C 1'70 MTRS. 5.58 FT. WOS	1
	79 4009	EXR-C 1'80 MTRS. 5.91 FT. WOS	1
	79 4010	EXR-C 1'90 MTRS. 6.23 FT. WOS	1
	79 4011	EXR-C 2'00 MTRS. 6.56 FT. WOS	1
	79 4012	EXR-C 2'20 MTRS. 7.22 FT. WOS	1
3	79 1101	EXR-C 1'00 MTRS. 3.28 FT. PUSH-PULL	1
	79 1102	EXR-C 1'10 MTRS. 3.61 FT. PUSH-PULL	1
	79 1103	EXR-C 1'20 MTRS. 3.94 FT. PUSH-PULL	1
	79 1104	EXR-C 1'30 MTRS. 4.27 FT. PUSH-PULL	1
	79 1105	EXR-C 1'40 MTRS. 4.59 FT. PUSH-PULL	1
	79 1106	EXR-C 1'50 MTRS. 4.92 FT. PUSH-PULL	1
	79 1107	EXR-C 1'60 MTRS. 5.25 FT. PUSH-PULL	1
	79 1108	EXR-C 1'70 MTRS. 5.58 FT. PUSH-PULL	1
	79 1109	EXR-C 1'80 MTRS. 5.91 FT. PUSH-PULL	1
	79 1110	EXR-C 1'90 MTRS. 6.23 FT. PUSH-PULL	1
	79 1111	EXR-C 2'00 MTRS. 6.56 FT. PUSH-PULL	1
	79 1112	EXR-C 2'20 MTRS. 7.22 FT. PUSH-PULL	1
4	79 4101	EXR-C 1'00 MTRS. 3.28 FT. PUSH-PULL WOS	1
	79 4102	EXR-C 1'10 MTRS. 3.61 FT. PUSH-PULL WOS	1
	79 4103	EXR-C 1'20 MTRS. 3.94 FT. PUSH-PULL WOS	1
	79 4104	EXR-C 1'30 MTRS. 4.27 FT. PUSH-PULL WOS	1
	79 4105	EXR-C 1'40 MTRS. 4.59 FT. PUSH-PULL WOS	1
	79 4106	EXR-C 1'50 MTRS. 4.92 FT. PUSH-PULL WOS	1
	79 4107	EXR-C 1'60 MTRS. 5.25 FT. PUSH-PULL WOS	1
	79 4108	EXR-C 1'70 MTRS. 5.58 FT. PUSH-PULL WOS	1
	79 4109	EXR-C 1'80 MTRS. 5.91 FT. PUSH-PULL WOS	1
	79 4110	EXR-C 1'90 MTRS. 6.23 FT. PUSH-PULL WOS	1
	79 4141	EXR-C 2'00 MTRS. 6.56 FT. PUSH-PULL WOS	1
	79 4112	EXR-C 2'20 MTRS. 7.22 FT. PUSH-PULL WOS	1

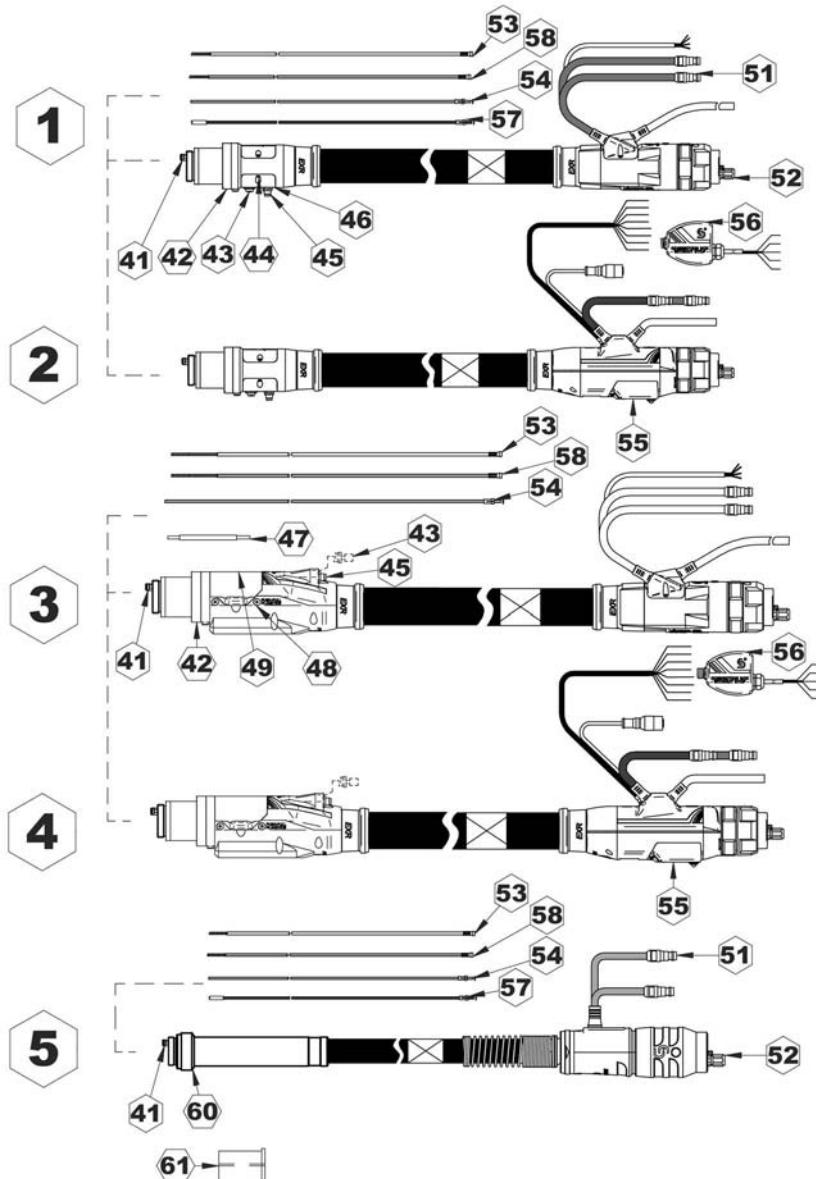
POS.	CODE	DESCRIPTION	PACK
41	72 0100 10	EXR-CC	1
42	73 0000 09	EXR-E	1
43	73 0000 0304	EXR-E	1
44	75 0000 15	EXR-AC	1
45	73 0000 12	EXR-E	1
46	73 0000 03	EXR-E	1
47	72 0100 0107	EXR-CC PUSH- PULL	1
48	78 0000 0203	EXR-ST	1
49	73 0000 04	EXR-CC PUSH PULL	1
52	199MZ02	ERGODANI	1
53	79 0021	1.3 MT. Ø0.8-1.0 (FE) EXR-TC	1
	79 0022	1.7 MT. Ø0.8-1.0 (FE) EXR-TC	1
	79 0023	2.2 MT. Ø0.8-1.0 (FE) EXR-TC	1
	79 0031	1.3 MT. Ø1.0-1.2 (FE) EXR-TC	1
	79 0032	1.7 MT. Ø1.0-1.2 (FE) EXR-TC	1
	79 0033	2.2 MT. Ø1.0-1.2 (FE) EXR-TC	1
	79 0041	1.3 MT. Ø1.2-1.6 (FE) EXR-TC	1
	79 0042	1.7 MT. Ø1.2-1.6 (FE) EXR-TC	1
	79 0043	2.2 MT. Ø1.2-1.6 (FE) EXR-TC	1
54	79 0091	1.3 MT. Ø1.0-1.2 (CUSI) EXR-TC	1
	79 0092	1.7 MT. Ø1.0-1.2 (CUSI) EXR-TC	1
	79 0093	2.2 MT. Ø1.0-1.2 (CUSI) EXR-TC	1
	79 0011	1.3 MT. Ø1.2-1.6 (CUSI) EXR-TC	1
	79 0012	1.7 MT. Ø1.2-1.6 (CUSI) EXR-TC	1
	79 0013	2.2 MT. Ø1.2-1.6 (CUSI) EXR-TC	1
	79 0081	1.3 MT. Ø1.0-1.2 (AL) EXR-TC	1
	79 0082	1.7 MT. Ø1.0-1.2 (AL) EXR-TC	1
	79 0083	2.2 MT. Ø1.0-1.2 (AL) EXR-TC	1
55	78 3006	EXR-WOS	1
56	78 3005	EXR-WOS	1
57	79 0051	1.3 MT. Ø1.0-1.2 (AL) EXR-TC	1
	79 0052	1.7 MT. Ø1.0-1.2 (AL) EXR-TC	1
	79 0053	2.2 MT. Ø1.0-1.2 (AL) EXR-TC	1
	79 0061	1.3 MT. Ø1.0-1.2 (CUSI) EXR-TC	1
	79 0062	1.7 MT. Ø1.0-1.2 (CUSI) EXR-TC	1
	79 0063	2.2 MT. Ø1.0-1.2 (CUSI) EXR-TC	1
	79 0071	1.3 MT. Ø1.2-1.6 (CUSI) EXR-TC	1
	79 0072	1.7 MT. Ø1.2-1.6 (CUSI) EXR-TC	1
	79 0073	2.2 MT. Ø1.2-1.6 (CUSI) EXR-TC	1
58	79 0101	1.3 MT. Ø0.8-1.0 (INOX) EXR-TC	1
	79 0102	1.7 MT. Ø0.8-1.0 (INOX) EXR-TC	1
	79 0103	2.2 MT. Ø0.8-1.0 (INOX) EXR-TC	1
	79 0111	1.3 MT. Ø1.0-1.2 (INOX) EXR-TC	1
	79 0112	1.7 MT. Ø1.0-1.2 (INOX) EXR-TC	1
	79 0113	2.2 MT. Ø1.0-1.2 (INOX) EXR-TC	1
	79 0121	1.3 MT. Ø1.2-1.6 (INOX) EXR-TC	1
	79 0122	1.7 MT. Ø1.2-1.6 (INOX) EXR-TC	1
	79 0123	2.2 MT. Ø1.2-1.6 (INOX) EXR-TC	1



**EXR-TC**

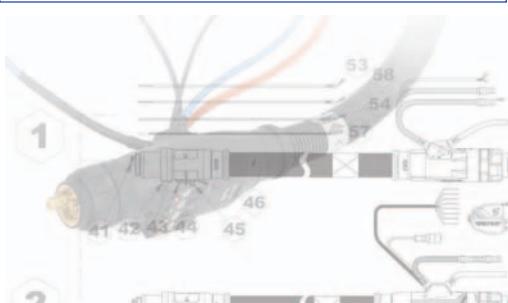


EXR



POS.	CODE	DESCRIPTION	PACK
1	79 2001	EXR-C 1'00 MTRS. 3.28 FT.	1
	79 2002	EXR-C 1'10 MTRS. 3.61 FT.	1
	79 2003	EXR-C 1'20 MTRS. 3.94 FT.	1
	79 2004	EXR-C 1'30 MTRS. 4.27 FT.	1
	79 2005	EXR-C 1'40 MTRS. 4.59 FT.	1
	79 2006	EXR-C 1'50 MTRS. 4.92 FT.	1
	79 2007	EXR-C 1'60 MTRS. 5.25 FT.	1
	79 2008	EXR-C 1'70 MTRS. 5.58 FT.	1
	79 2009	EXR-C 1'80 MTRS. 5.91 FT.	1
	79 2010	EXR-C 1'90 MTRS. 6.23 FT.	1
	79 2011	EXR-C 2'00 MTRS. 6.56 FT.	1
	79 2012	EXR-C 2'20 MTRS. 7.22 FT.	1
2	79 3001	EXR-C 1'00 MTRS. 3.28 FT. WOS	1
	79 3002	EXR-C 1'10 MTRS. 3.61 FT. WOS	1
	79 3003	EXR-C 1'20 MTRS. 3.94 FT. WOS	1
	79 3004	EXR-C 1'30 MTRS. 4.27 FT. WOS	1
	79 3005	EXR-C 1'40 MTRS. 4.59 FT. WOS	1
	79 3006	EXR-C 1'50 MTRS. 4.92 FT. WOS	1
	79 3007	EXR-C 1'60 MTRS. 5.25 FT. WOS	1
	79 3008	EXR-C 1'70 MTRS. 5.58 FT. WOS	1
	79 3009	EXR-C 1'80 MTRS. 5.91 FT. WOS	1
	79 3010	EXR-C 1'90 MTRS. 6.23 FT. WOS	1
	79 3011	EXR-C 2'00 MTRS. 6.56 FT. WOS	1
	79 3012	EXR-C 2'20 MTRS. 7.22 FT. WOS	1
3	79 2101	EXR-C 1'00 MTRS. 3.28 FT. PUSH-PULL	1
	79 2102	EXR-C 1'10 MTRS. 3.61 FT. PUSH-PULL	1
	79 2103	EXR-C 1'20 MTRS. 3.94 FT. PUSH-PULL	1
	79 2104	EXR-C 1'30 MTRS. 4.27 FT. PUSH-PULL	1
	79 2105	EXR-C 1'40 MTRS. 4.59 FT. PUSH-PULL	1
	79 2106	EXR-C 1'50 MTRS. 4.92 FT. PUSH-PULL	1
	79 2107	EXR-C 1'60 MTRS. 5.25 FT. PUSH-PULL	1
	79 2108	EXR-C 1'70 MTRS. 5.58 FT. PUSH-PULL	1
	79 2109	EXR-C 1'80 MTRS. 5.91 FT. PUSH-PULL	1
	79 2110	EXR-C 1'90 MTRS. 6.23 FT. PUSH-PULL	1
	79 2111	EXR-C 2'00 MTRS. 6.56 FT. PUSH-PULL	1
	79 2112	EXR-C 2'20 MTRS. 7.22 FT. PUSH-PULL	1
4	79 3101	EXR-C 1'00 MTRS. 3.28 FT. PUSH-PULL WOS	1
	79 3102	EXR-C 1'10 MTRS. 3.61 FT. PUSH-PULL WOS	1
	79 3103	EXR-C 1'20 MTRS. 3.94 FT. PUSH-PULL WOS	1
	79 3104	EXR-C 1'30 MTRS. 4.27 FT. PUSH-PULL WOS	1
	79 3105	EXR-C 1'40 MTRS. 4.59 FT. PUSH-PULL WOS	1
	79 3106	EXR-C 1'50 MTRS. 4.92 FT. PUSH-PULL WOS	1
	79 3107	EXR-C 1'60 MTRS. 5.25 FT. PUSH-PULL WOS	1
	79 3108	EXR-C 1'70 MTRS. 5.58 FT. PUSH-PULL WOS	1
	79 3109	EXR-C 1'80 MTRS. 5.91 FT. PUSH-PULL WOS	1
	79 3110	EXR-C 1'90 MTRS. 6.23 FT. PUSH-PULL WOS	1
	79 3111	EXR-C 2'00 MTRS. 6.56 FT. PUSH-PULL WOS	1
	79 3112	EXR-C 2'20 MTRS. 7.22 FT. PUSH-PULL WOS	1
5	79 2201	EXR-F 1'00 MTRS. 3.28 FT.	1
	79 2202	EXR-F 1'10 MTRS. 3.61 FT.	1
	79 2203	EXR-F 1'20 MTRS. 3.94 FT.	1
	79 2204	EXR-F 1'30 MTRS. 4.27 FT.	1
	79 2205	EXR-F 1'40 MTRS. 4.59 FT.	1
	79 2206	EXR-F 1'50 MTRS. 4.92 FT.	1
	79 2207	EXR-F 1'60 MTRS. 5.25 FT.	1
	79 2208	EXR-F 1'70 MTRS. 5.58 FT.	1
	79 2209	EXR-F 1'80 MTRS. 5.91 FT.	1
	79 2210	EXR-F 1'90 MTRS. 6.23 FT.	1
	79 2211	EXR-F 2'00 MTRS. 6.56 FT.	1
	79 2212	EXR-F 2'20 MTRS. 7.22 FT.	1

POS.	CODE	DESCRIPTION	PACK
41	72 0100 10	EXR-CC	1
42	73 0000 09	EXR-E	1
43	73 0000 0304	EXR-E	1
44	75 0000 15	EXR-AC	1
45	73 0000 12	EXR-E	1
46	73 0000 03	EXR-E	1
47	72 0100 0107	EXR-CC PUSH- PULL	1
48	78 0000 0203	EXR-ST	1
49	73 1000 04	EXR-CC PUSH PULL	1
51	145TA88	EXR-C	10
52	199MZ02	ERGODANI	1
53	79 0021	1.3 MT. Ø0.8-1.0 (FE) EXR-TC	1
	79 0022	1.7 MT. Ø0.8-1.0 (FE) EXR-TC	1
	79 0023	2.2 MT. Ø0.8-1.0 (FE) EXR-TC	1
	79 0031	1.3 MT. Ø1.0-1.2 (FE) EXR-TC	1
	79 0032	1.7 MT. Ø1.0-1.2 (FE) EXR-TC	1
	79 0033	2.2 MT. Ø1.0-1.2 (FE) EXR-TC	1
	79 0041	1.3 MT. Ø1.2-1.6 (FE) EXR-TC	1
	79 0042	1.7 MT. Ø1.2-1.6 (FE) EXR-TC	1
	79 0043	2.2 MT. Ø1.2-1.6 (FE) EXR-TC	1
54	79 0091	1.3 MT. Ø1.0-1.2 (CUSI) EXR-TC	1
	79 0092	1.7 MT. Ø1.0-1.2 (CUSI) EXR-TC	1
	79 0093	2.2 MT. Ø1.0-1.2 (CUSI) EXR-TC	1
	79 0011	1.3 MT. Ø1.2-1.6 (CUSI) EXR-TC	1
	79 0012	1.7 MT. Ø1.2-1.6 (CUSI) EXR-TC	1
	79 0013	2.2 MT. Ø1.2-1.6 (CUSI) EXR-TC	1
	79 0081	1.3 MT. Ø1.0-1.2 (AL) EXR-TC	1
	79 0082	1.7 MT. Ø1.0-1.2 (AL) EXR-TC	1
	79 0083	2.2 MT. Ø1.0-1.2 (AL) EXR-TC	1
55	78 3006	EXR-WOS	1
56	78 3005	EXR-WOS	1
57	79 0051	1.3 MT. Ø1.0-1.2 (AL) EXR-TC	1
	79 0052	1.7 MT. Ø1.0-1.2 (AL) EXR-TC	1
	79 0053	2.2 MT. Ø1.0-1.2 (AL) EXR-TC	1
	79 0061	1.3 MT. Ø1.0-1.2 (CUSI) EXR-TC	1
	79 0062	1.7 MT. Ø1.0-1.2 (CUSI) EXR-TC	1
	79 0063	2.2 MT. Ø1.0-1.2 (CUSI) EXR-TC	1
	79 0071	1.3 MT. Ø1.2-1.6 (CUSI) EXR-TC	1
	79 0072	1.7 MT. Ø1.2-1.6 (CUSI) EXR-TC	1
	79 0073	2.2 MT. Ø1.2-1.6 (CUSI) EXR-TC	1
58	79 0101	1.3 MT. Ø0.8-1.0 (INOX) EXR-TC	1
	79 0102	1.7 MT. Ø0.8-1.0 (INOX) EXR-TC	1
	79 0103	2.2 MT. Ø0.8-1.0 (INOX) EXR-TC	1
	79 0111	1.3 MT. Ø1.0-1.2 (INOX) EXR-TC	1
	79 0112	1.7 MT. Ø1.0-1.2 (INOX) EXR-TC	1
	79 0113	2.2 MT. Ø1.0-1.2 (INOX) EXR-TC	1
	79 0121	1.3 MT. Ø1.2-1.6 (INOX) EXR-TC	1
	79 0122	1.7 MT. Ø1.2-1.6 (INOX) EXR-TC	1
	79 0123	2.2 MT. Ø1.2-1.6 (INOX) EXR-TC	1
60	73 2000 01	EXR-F	1
61	73 2000 02	EXR-F	1



# BRACKETS EXR-BC ANTICOLLISION EXR-AC



Adjustable position guide to adapt the torch to any type of T.C.P. (Tool Centre Point).

*Las posiciones regulables de la brida permiten adaptar la antorcha a cualquier tipo de T.C.P. (Tool Centre Point).*

Positions réglables permettent le flambeau de s'adapter à tout type de T.C.P. (Tool Centre point ).



The EXR-AC ANTI-COLLISION SYSTEM is designed to protect your torch regardless of impact direction.

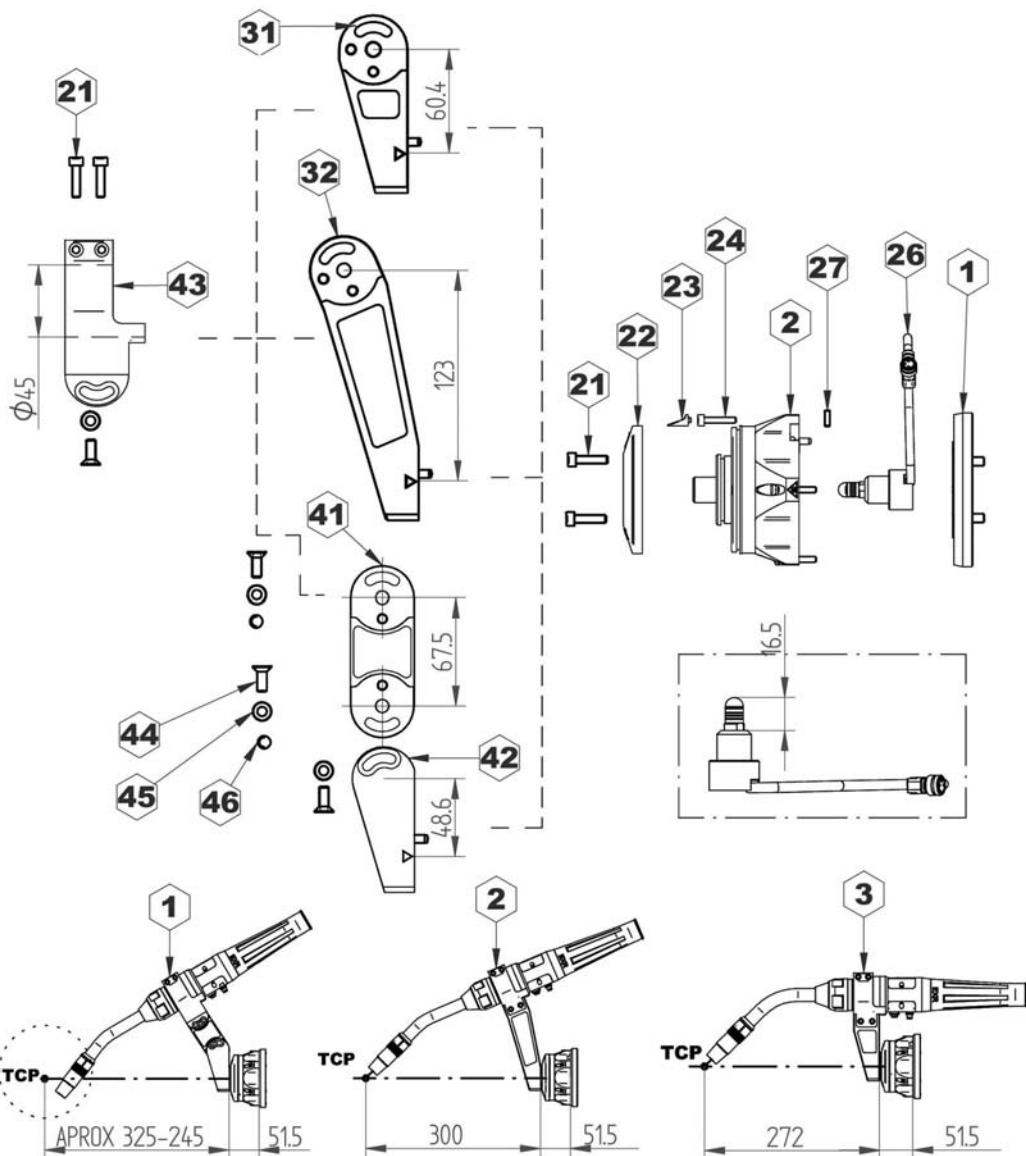
*El SISTEMA EXR-AC ANTICOLISIÓN desactiva el robot en caso de colisión accidental de la pistola de soldadura.*

**SYSTÈME EXR-AC** désactive le robot dans une collision accidentelle de la torche de soudage.



EN 60974-7

# BRACKETS EXR-BC ANTICOLLISION EXR-AC



POS.	CODE	DESCRIPTION	PACK
1	74 0300	EXR-BC	1
2	74 0200	EXR-BC 23°	1
3	74 0100	EXR-BC 0°	1
4	75 0000	EXR-AC	1
	75 0001	EXR-AC	1
	75 0002	EXR-AC	1
5	77 0001	EXR-AC ISO9409 1*40*4*M6	1
	77 0002	EXR-AC ISO9409 1*50*4*M6	1
21	74 0000 05	EXR-BC	10
22	75 0000 01	EXR-AC	5
23	75 0000 16	EXR-AC	5
24	71 2000 0502	EXR-AC MAX25	10

POS.	CODE	DESCRIPTION	PACK
26	75 000014	EXR-AC	1
27	75 0000 15	EXR-AC	10
31	74 0100 01	EXR-BC 23°	1
32	74 0200 01	EXR-BC 23°	1
33	74 0000 02	EXR-BC	1
41	74 0300 02	EXR-BC	1
42	74 0300 01	EXR-BC	1
43	74 03000 03	EXR-BC	1
44	74 0300 06	EXR-BC	10
45	774 0300 04	EXR-BC	10
46	70300 05	EXR-BC	10

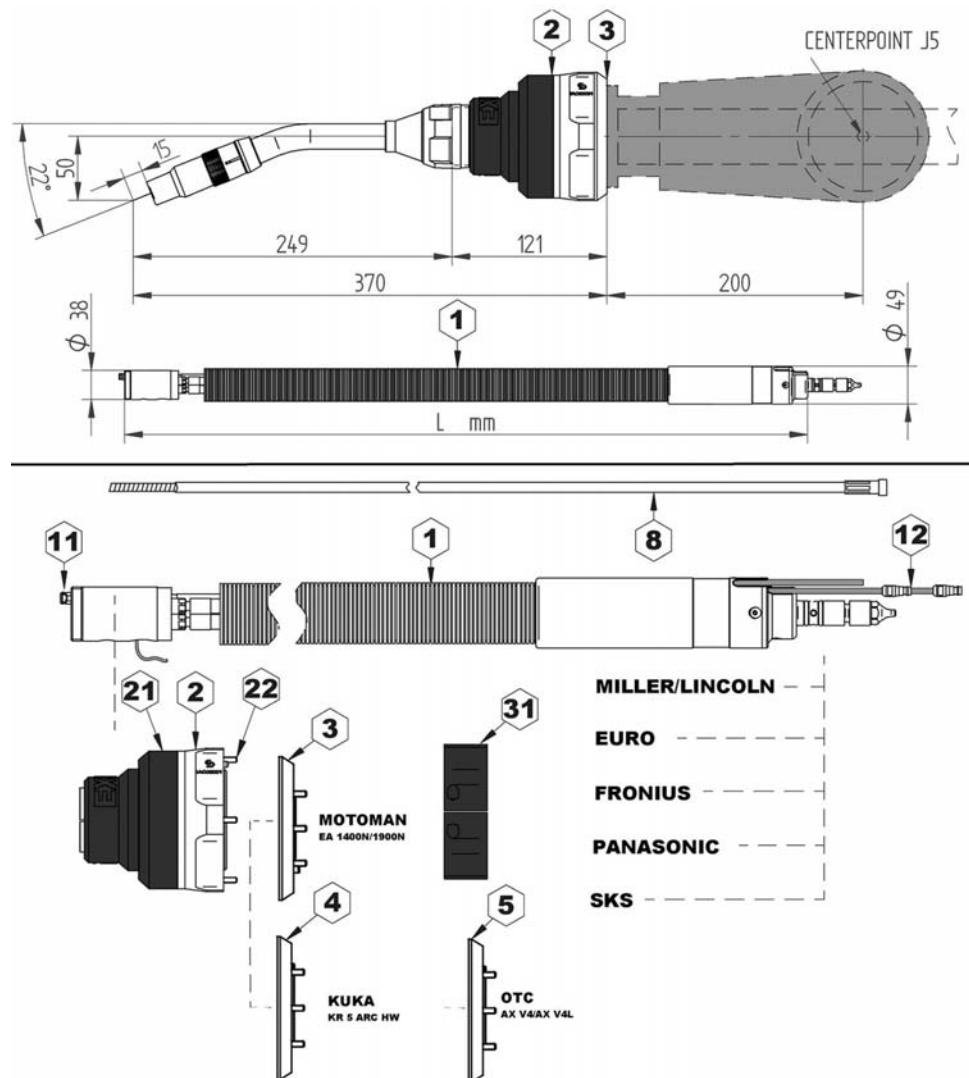


# COEX EXR-IAD WITH ANTICOLLISION



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# COEX EXR-IAD WITH ANTICOLLISION



POS.	CODE	DESCRIPTION
1	79 5109	EXR-COEX MOTOMAN EA1400 1,09 MTRS - KEMPI
	79 5098	EXR-COEX MOTOMAN EA1400 0,98 MTRS - PANASONIC
79 5108		EXR-COEX MOTOMAN EA1400 1,08 MTRS - MILLER
79 5103		EXR-COEX MOTOMAN EA1400 1,03 MTRS - SKS
79 5138		EXR-COEX MOTOMAN EA1900 1,38 MTRS - KEMPI
79 5127 01		EXR-COEX MOTOMAN EA1900 1,27 MTRS - PANASONIC
79 5139		EXR-COEX MOTOMAN EA1900 1,39 MTRS - MILLER
79 5132		EXR-COEX MOTOMAN EA1900 1,32 MTRS - SKS
2	75 1000	EXR-COEX STANDAR
3	77 1001	EXR-COEX FOR MOTOMAN

POS.	CODE	DESCRIPTION
4	77 1004	EXR-COEX FOR KUKA
5	77 1005	EXR-COEX FOR OTC
8	79 0201	EXR-COEX EURO
	79 0202	EXR-COEX MILLER/LINCOLN
	79 0203	EXR-COEX FRONIUS
	79 0204	EXR-COEX PANASONIC
	79 0205	EXR-COEX SKS
11	72 0000 10	EXR-COEX
12	145TA88A	EXR-COEX ESTANDAR
21	75 1000 01	EXR-COEX ESTANDAR
22	75 1000 10	EXR-COEX ESTANDAR
31	79 0200 10	EXR-COEX STANDARD

COEX EXR-IA



# **COEX EXR-IA**

## FOR ABB



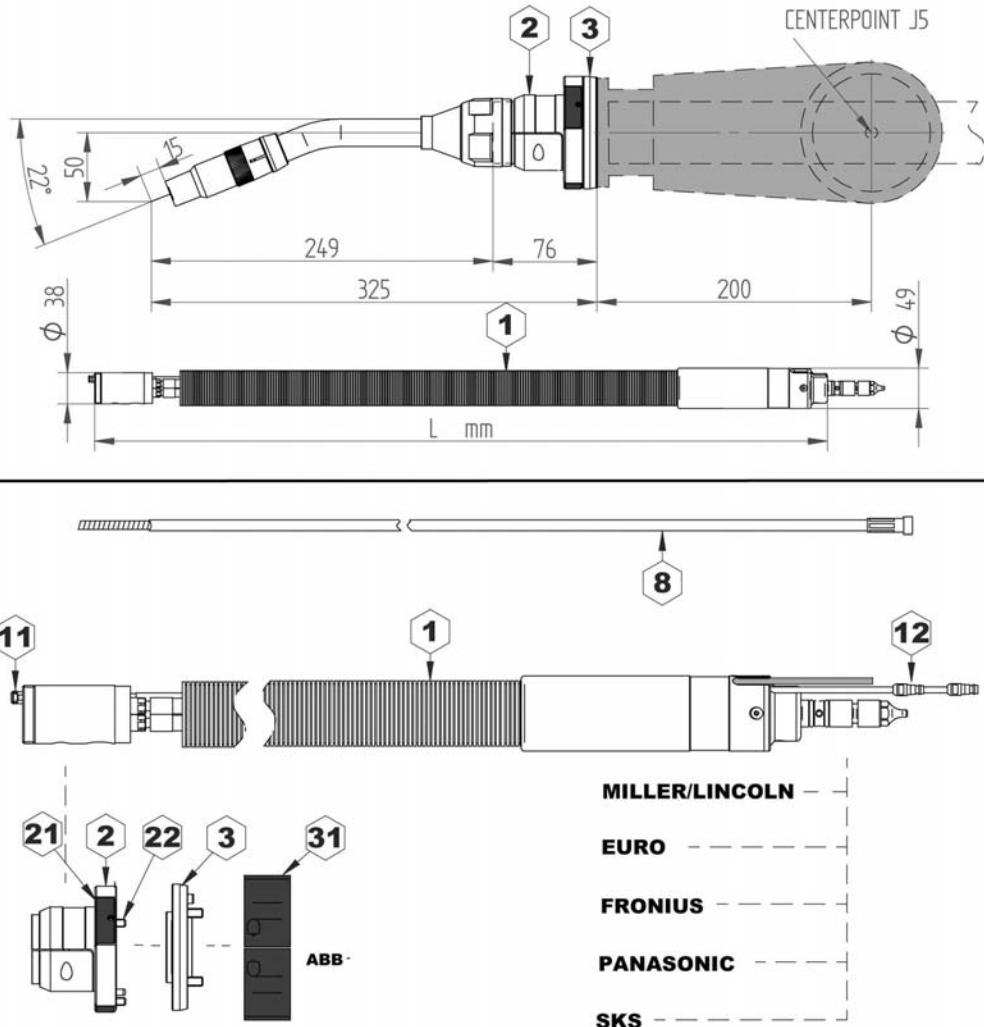
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EN 60974-7

# COEX EXR-IA

FOR ABB

**ERGODANI®**  
FOR ADVANCED WELDERS



POS.	CODE	DESCRIPTION
1	79 5109 01	EXR-COEX ABB IRB 1600 ID 1,09 MTRS - ESAB
	79 5109 02	EXR-COEX ABB IRB 1600 ID 1,09 MTRS - EWM
	79 5109 03	EXR-COEX ABB IRB 1600 ID 1,09 MTRS - KEMPI
2	75 2000	EXR-COEX
3	77 1002	EXR-COEX FOR ABB
8	79 0201	EXR-COEX EURO
	79 0202	EXR-COEX MILLER/LINCOLN
	79 0203	EXR-COEX FRONIUS

POS.	CODE	DESCRIPTION
	79 0204	EXR-COEX PANASONIC
	79 0205	EXR-COEX SKS
11	72 0000 10	EXR-COEX
12	145TA88A	EXR-COEX ESTANDAR
21	75 2000 16	EXR-COEX FOR ABB
22	75 1000 10	EXR-COEX FOR ABB
31	79 0200 11	EXR-COEX FOR ABB

**COEX EXR-IA**  
**FOR FANUC**

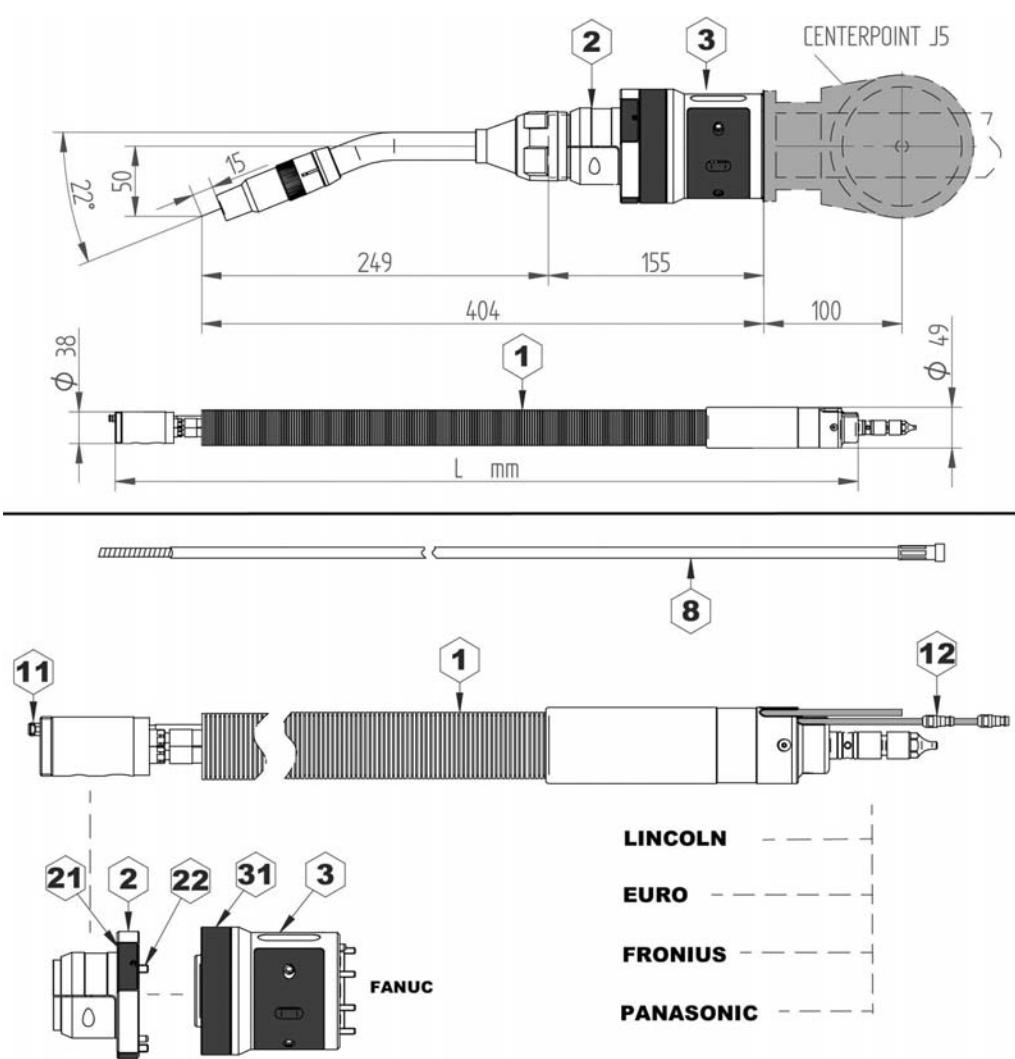


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# COEX EXR-IA FOR FANUC

**ES** ERGODANI®  
FOR ADVANCED WELDERS

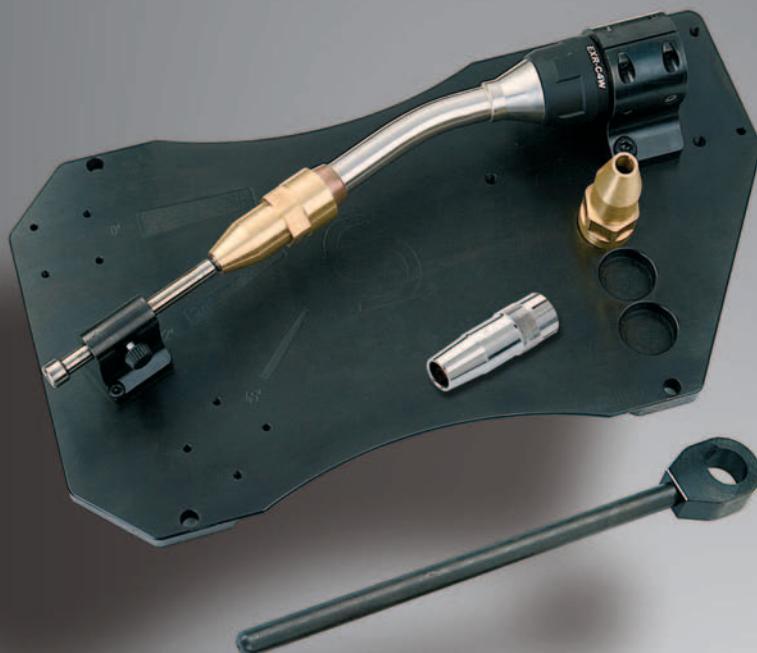


POS.	CODE	DESCRIPTION
1	79 5088	EXR-COEX FANUC 100IC 0,88 MTRS - ESAB
	79 5089	EXR-COEX FANUC 100IC 0,89 MTRS - EWM
79 5088 01	EXR-COEX FANUC 100IC 0,88 MTRS - KEMPI	
79 5089 01	EXR-COEX FANUC 100IC 0,89 MTRS - MEGATRONIC	
79 5084	EXR-COEX FANUC 100IC 0,84 MTRS - LINCOLN	
79 5105	EXR-COEX FANUC 100IC 1,05 MTRS - FRONIUS	
79 5089 02	EXR-COEX FANUC 100IC 0,89 MTRS - PANASONIC	
79 5106	EXR-COEX FANUC 100IC/6L 1,06 MTRS - LINCOLN	
79 5127	EXR-COEX FANUC 100IC/6L 1,27 MTRS - FRONIUS	
79 5111	EXR-COEX FANUC 100IC/6L 1,11 MTRS - PANASONIC	
79 5104	EXR-COEX FANUC 200IC 1,04 MTRS - LINCOLN	
79 5125	EXR-COEX FANUC 200IC 1,25 MTRS - FRONIUS	

POS.	CODE	DESCRIPTION
	79 5124	EXR-COEX FANUC 200IC/6L 1,24 MTRS - LINCOLN
	79 5145	EXR-COEX FANUC 200IC/6L 1,45 MTRS - FRONIUS
2	75 2000	EXR-COEX FOR FANUC
3	77 1003	EXR-COEX FOR FANUC
8	79 0201	EXR-COEX EURO
	79 0202	EXR-COEX MILLER/LINCOLN
	79 0203	EXR-COEX FRONIUS
	79 0204	EXR-COEX PANASONIC
	79 0205	EXR-COEX SKS
12	145TA88A	EXR-COEX
21	75 2000 16	EXR-COEX FOR FANUC
22	75 1000 10	EXR-COEX FOR FANUC
31	77 1003 03	EXR-COEX FOR FANUC

COEX EXR-IA

# NECK RECTIFIER EXR-REC



Gun position corrector for checking and rectifier small variations in T. C. P. (Tool Centre Point) caused by collision during programming or transport.

*El rectificador de cuellos EXR está destinado a la verificación y corrección de pequeñas desviaciones de TCP que pudiera sufrir un cuello con sistema de cambio rápido, estas desviaciones pueden ser ocasionadas por una colisión en el robot o una mala manipulación en el transporte.*

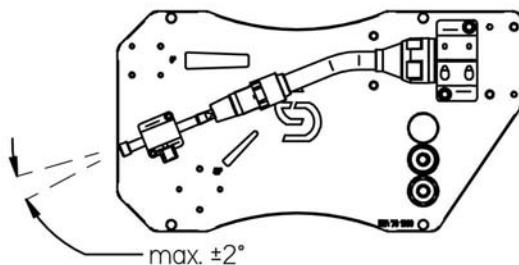
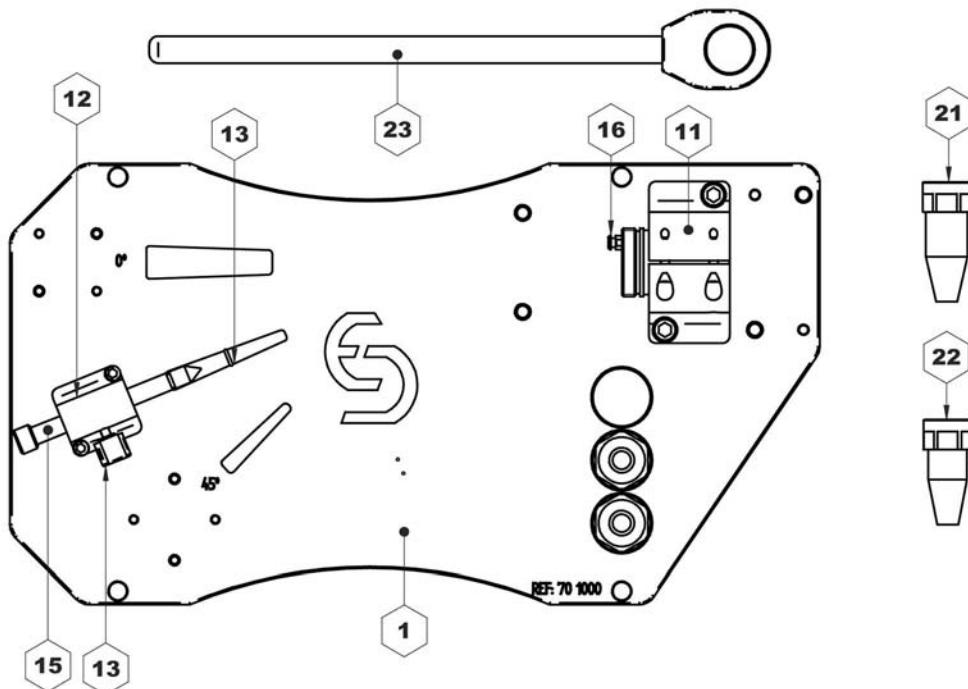
Le redresseur est conçu pour la vérification et la correction des écarts mineurs par TCP que vous pourriez subir un col avec système de changement rapide, ces écarts peuvent être causés par une collision sur le robot ou mauvais traitements en transit.



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# NECK RECTIFIER EXR-REC

**ERGODANI®**  
FOR ADVANCED WELDERS



POS.	CODE	DESCRIPTION	PACK
	70 1000	EXR	1
1	70 1000 01	EXR	1
11	70 1000 02	EXR	1
12	70 1000 03	EXR	1
13	71 2000 08	EXR-CW	10

POS.	CODE	DESCRIPTION	PACK
14	70 1000 07	EXR	5
15	70 1000 04	EXR	1
16	70 1000 06	EXR	1
21	70 0000 01	EXR-C	1
22	70 0000 02	EXR-C2W	1
23	70 1000 08	EXR	1

# CLEANING STATION

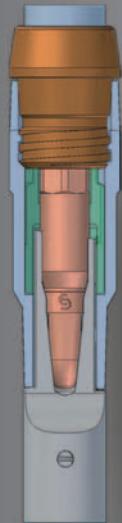


CODE	DESCRIPTION
70 2100	EXR-6
70 2200	EXR

CODE	DESCRIPTION	PACK
70 2001 0101	EXR 15/12.5/10.5 (A)	
70 2001 0102	EXR 10.5/8.5 (A)	
70 2001 0103	EXR 12.5/9 H21	

CODE	DESCRIPTION	PACK
4SPG	ERGODANI 5 LTRS	

# CLEANING STATION



**ICS (Integrated Cleaning System).** This system enables the complete elimination of spatter build-up on weldings prone to spatter. Protected and easy-to-clean fastening and gas vent systems. High-level of refrigeration reducing gas consumption. Auto-adjustable length of milling entry point.

**SIL (Sistema Integral de Limpieza).** Este Sistema permite la eliminación total de las proyecciones acumuladas en soldadura de elevado nivel de proyecciones. Sistema de fijación y orificios de salida de gas protegidos y de fácil limpieza. Elevada refrigeración que disminuye el consumo de repuesto. Longitud de entrada de fresado autoajustable.

**ICS (Système de Nettoyage Intégré).** Ce système permet l'élimination complète des déchets de soudure. Protège et nettoie facilement le conduit de gaz. Réduit la consommation de gaz grâce au refroidissement du capillaire. Longueur auto ajustable du point d'entrée.



POS.	CODE	DESCRIPTION
70 3101	EXR-AS AB	
70 3201	EXR-AS TH	
70 3301	EXR-AS BZ	

# BRIEFCASE NECK WITH SPARE PARTS EXR

