



MAKE WORK
LIFE EASIER



INTELLIGENT
TORCH SOLUTIONS

ARC M MACHINE CONTROL SERIES



A Passion for Technology & Innovation

To produce hand tools that reach the pinnacle of performance, durability and functionality you have to be passionate about what you do.

At Arc Torchology the research and development department is the beating heart of our company.

Every single component is conceived, developed, manufactured and tested in-house.

Our development and testing activities are loaded with cutting edge technologies, many of which have been developed specifically by us to meet the very stringent demands we place on our design solutions.

These specialized, bespoke solutions allow us to develop products that surpass the prerequisite of industry standards, inventing increasingly more beneficial products that deliver maximum results for the operator.

This is not business as usual.



find out more arctorchology.com

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LIQUID-COOLED

Arc M Machine Control Series



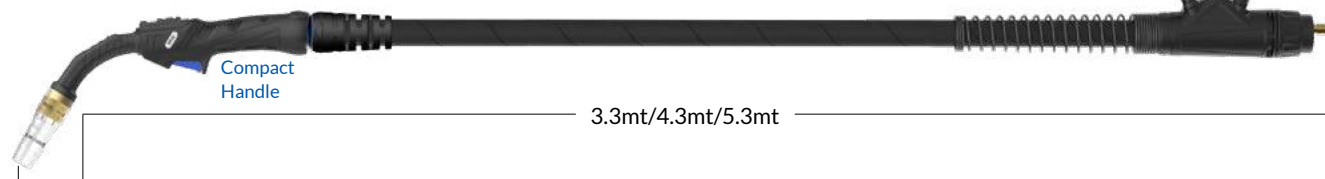
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M5W- Digital / Digital Display

Cooling Method	Liquid-Cooled			
	Cooler Rating	Max. A	Pulse	Max. Load
Rating: CO ₂	1600W	560A	-	24KW
	1200W	540A	-	22KW
	1000W	510A	-	20KW
Rating: Mixed Gas M21	1600W	540A	380A	22KW
	1200W	520A	350A	21KW
	1000W	500A	340A	19.5KW
Duty Cycle		100%	100%	
Wire Size	Filler Wires	Fe, Fe-MC / FC		0.9-1.6mm
	Filler Wires	Ss, Ss-MC / FC		0.9-1.6mm
	Filler Wires	Al		1.0-1.6mm
Minimum Liquid Flow Rate		1.5 l/min	Important: Please note minimum inlet pressure and flow rate. Low pressure will affect torch performance	
Minimum Liquid Inlet Pressure		2.5 Bar		
Maximum Liquid Inlet Pressure		5.0 Bar		
Maximum Liquid Inlet Temperature		50°C		
Operating Temperature Range		-10...+40°C		

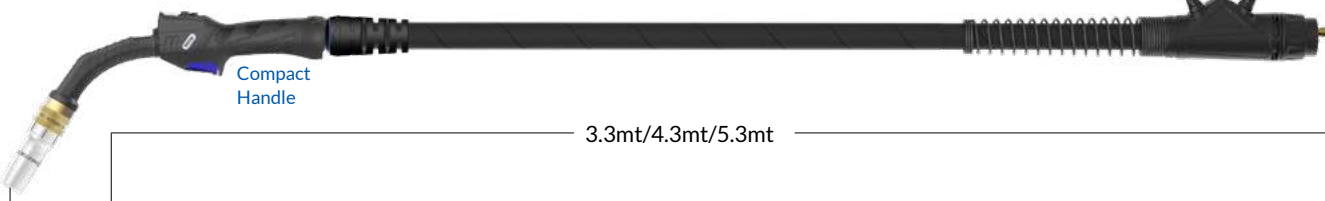


M5W Video



M55W- Digital / Digital Display

Cooling Method	Liquid-Cooled			
	Cooler Rating	Max. A	Pulse	Max. Load
Rating: CO ₂	1600W	580A	-	25KW
	1200W	550A	-	23KW
	1000W	520A	-	21KW
Rating: Mixed Gas M21	1600W	560A	400A	23KW
	1200W	530A	360A	21.5KW
	1000W	510A	350A	20KW
Duty Cycle		100%	100%	
Wire Size	Filler Wires	Fe, Fe-MC / FC		0.9-2.0mm
	Filler Wires	Ss, Ss-MC / FC		0.9-1.6mm
	Filler Wires	Al		1.0-2.0mm
Minimum Liquid Flow Rate		1.5 l/min	Important: Please note minimum inlet pressure and flow rate. Low pressure will affect torch performance	
Minimum Liquid Inlet Pressure		2.5 Bar		
Maximum Liquid Inlet Pressure		5.0 Bar		
Maximum Liquid Inlet Temperature		50°C		
Operating Temperature Range		-10...+40°C		



LIQUID-COOLED

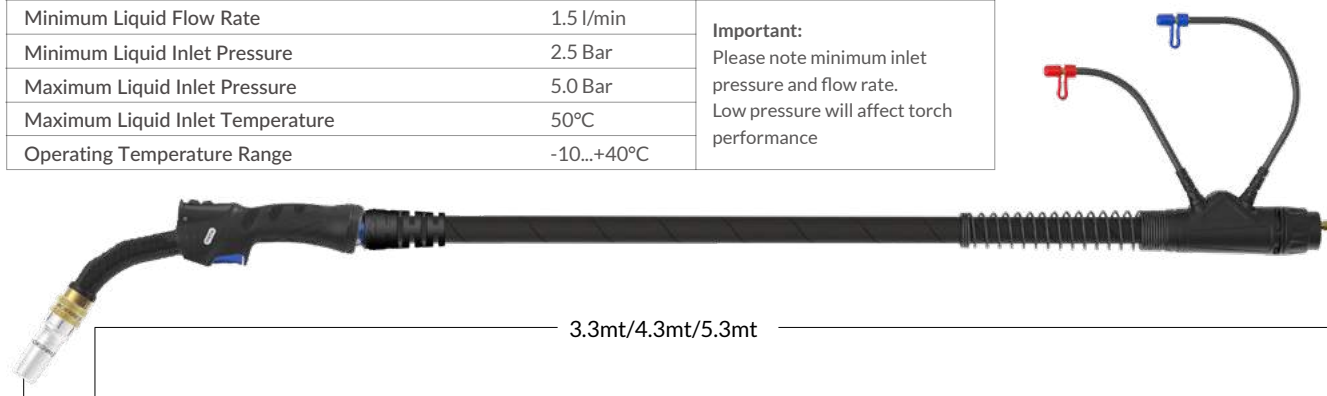
Arc M Machine Control Series



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New M65W/M65WS- Analogue / Digital / Digital Display

Cooling Method	Liquid-Cooled			
	Cooler Rating	Max. A	Pulse	Max. Load
Rating: CO ₂	1600W	580A	-	25KW
	1200W	550A	-	23KW
	1000W	520A	-	21KW
Rating: Mixed Gas M21	1600W	560A	400A	23KW
	1200W	530A	360A	21.5KW
	1000W	510A	350A	20KW
Duty Cycle		100%	100%	
Wire Size	Filler Wires	Fe, Fe-MC / FC		0.9-2.0mm
	Filler Wires	Ss, Ss-MC / FC		0.9-1.6mm
	Filler Wires	Al		1.0-2.0mm
Minimum Liquid Flow Rate		1.5 l/min	Important: Please note minimum inlet pressure and flow rate. Low pressure will affect torch performance	
Minimum Liquid Inlet Pressure		2.5 Bar		
Maximum Liquid Inlet Pressure		5.0 Bar		
Maximum Liquid Inlet Temperature		50°C		
Operating Temperature Range		-10...+40°C		



LIQUID-COOLED

Arc M Machine Control Series



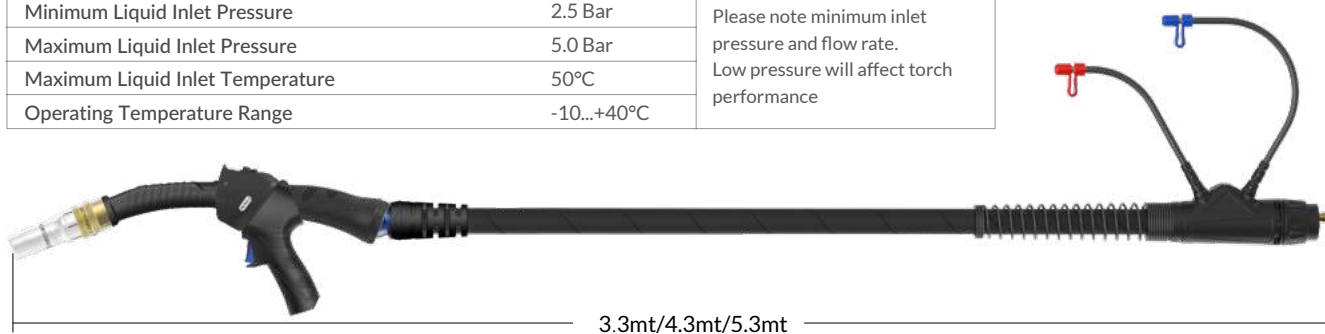
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New

M65WLP- Analogue / Digital / Digital Display



Cooling Method	Liquid-Cooled			
	Cooler Rating	Max. A	Pulse	Max. Load
Rating: CO ₂	1600W	590A	-	26KW
	1200W	560A	-	24KW
	1000W	530A	-	22KW
Rating: Mixed Gas M21	1600W	570A	420A	24KW
	1200W	530A	380A	22KW
	1000W	500A	360A	19.5KW
Duty Cycle		100%	100%	
Wire Size	Filler Wires	Fe, Fe-MC / FC		0.9-2.0mm
	Filler Wires	Ss, Ss-MC / FC		0.9-1.6mm
	Filler Wires	Al		1.0-2.0mm
Minimum Liquid Flow Rate		1.5 l/min	Important: Please note minimum inlet pressure and flow rate. Low pressure will affect torch performance	
Minimum Liquid Inlet Pressure		2.5 Bar		
Maximum Liquid Inlet Pressure		5.0 Bar		
Maximum Liquid Inlet Temperature		50°C		
Operating Temperature Range		-10...+40°C		

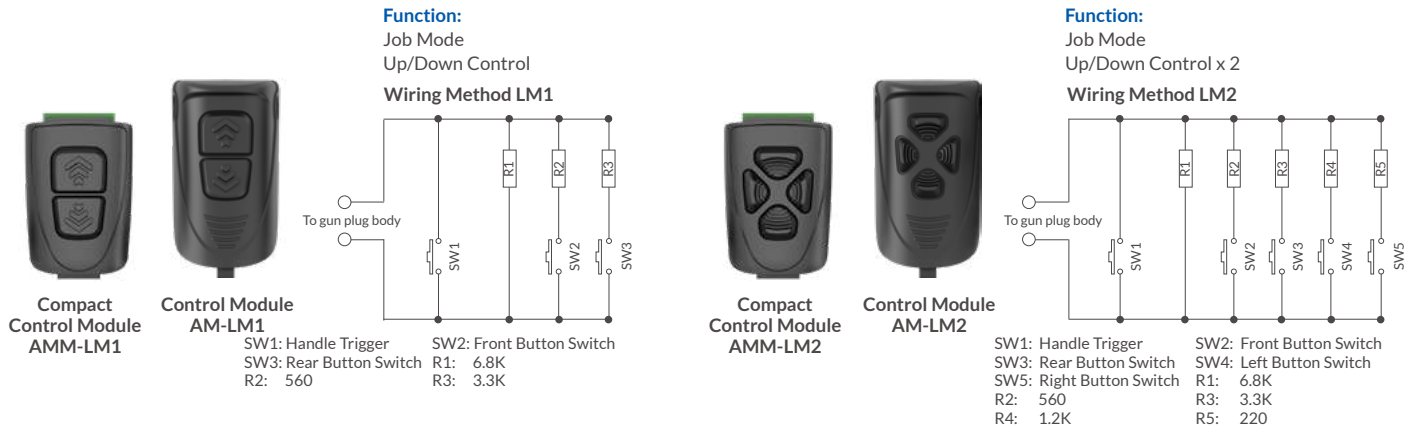


OVERVIEW OF MODULES

Arc M Digital Torch Control

The Arc M Digital Torch series offers control of the welding machine parameters by digitally interfacing 2 or 4 way control features on the torch handle with the machine.

All control module signalling to the machine is sent via the trigger leads and gun plug body pins.

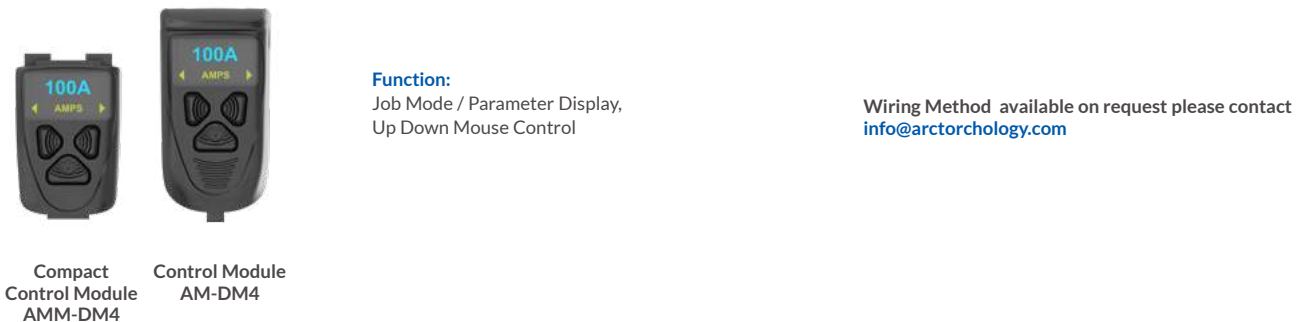


Arc M Digital Display Torch Control

The Arc M Digital Display Torch series offers high tech control of the welding machine parameters by digitally interfacing all control features from the torch handle. The handle readout displays all welding and machine parameters in 'real time'.

All control module signalling to the machine is sent via the trigger leads and gun plug body pins.

Digital signalling requires software systems integration in collaboration with equipment manufacturers.



Arc M Analogue Torch Control

The Arc M Analogue Torch series offers control of the welding machines parameters via the torch handle.

Welding programmes can be changed via a 2 or 4 control module.

Analogue signals are sent through a 5 core switch lead and separate control plug to the machine.



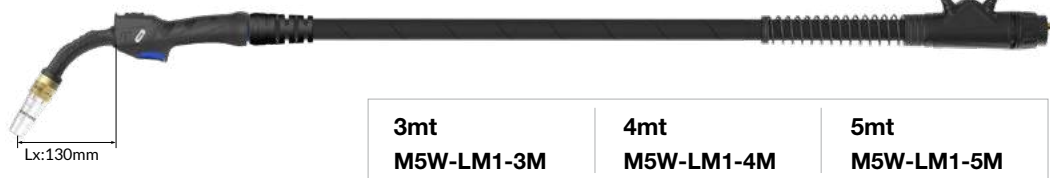
M5W Digital Liquid-Cooled Mig Welding Torch

Ratings:	560A CO ₂ , 540A mixed gas M21, 380A pulse @100% Max. Load 24KW with 1600W liquid cooler, 0.9mm-1.6mm wires
	540A CO ₂ , 520A mixed gas M21, 350A pulse @100% Max. Load 22KW with 1200W liquid cooler, 0.9mm-1.6mm wires

Ideal for heavy duty 1.2mm high deposition and pulse applications with control of simple machine parameters via the torch handle by interfacing 2 or 4 way digital control module.

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M5W Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



Wear Parts

Nozzles

Part Number	Description	Bore	Wall	Material
A •AMN5WCN	Conical / Insulator Assy	13.5mm	3.0mm	Copper
AMN5WTN	Tapered / Insulator Assy	11.5mm	3.0mm	Copper
AMN5WCYN	Cylindrical / Insulator Assy	16.0mm	3.0mm	Copper
A1 •AMN5WCN-C	Conical Nozzle c/w Insulator & Retaining Ring			
AMN5WTN-C	Tapered Nozzle c/w Insulator & Retaining Ring			
AMN5WCYN-C	Cylindrical Nozzle c/w Insulator & Retaining Ring			

B Nozzle Retaining Rings

Part Number	Description	Size	Material
•AMN5WCNR	Nozzle Retaining Ring	29.5mm	Brass

C Contact Tips

Part Number	Description	Size (mm)	Wire Size (mm-inch)	Material
Standard Series				
AM5CT09	Contact Tip	M8*29.5	0.9 - 0.035"	CuCrZr
AM5CT10	Contact Tip	M8*29.5	1.0 - 0.040"	CuCrZr
•AM5CT12	Contact Tip	M8*29.5	1.2 - 0.045"	CuCrZr
AM5CT14	Contact Tip	M8*29.5	1.4 - 0.055"	CuCrZr
AM5CT16	Contact Tip	M8*29.5	1.6 - 0.063"	CuCrZr
A Series				
AM5CT10A	Contact Tip	M8*29.5	1.0 - 0.040"	CuCrZr
AM5CT12A	Contact Tip	M8*29.5	1.2 - 0.045"	CuCrZr
AM5CT16A	Contact Tip	M8*29.5	1.6 - 0.063"	CuCrZr
AM2CT10A	Contact Tip	M8*29.5	1.0 - 0.040"	Copper
AM2CT12A	Contact Tip	M8*29.5	1.2 - 0.045"	Copper

•Denotes torch package standard wear part set-up

D Tip Adaptors

Part Number	Description	Material
•AM5WTAC-20	High Performance 2.0mm Recess	Copper
AM5WTAC-45	High Performance 4.5mm Recess	Copper
AM5WTAB-20	Tip Adaptor 2.0mm Recess	Brass
AM5WTAB-45	Tip Adaptor 4.5mm Recess	Brass

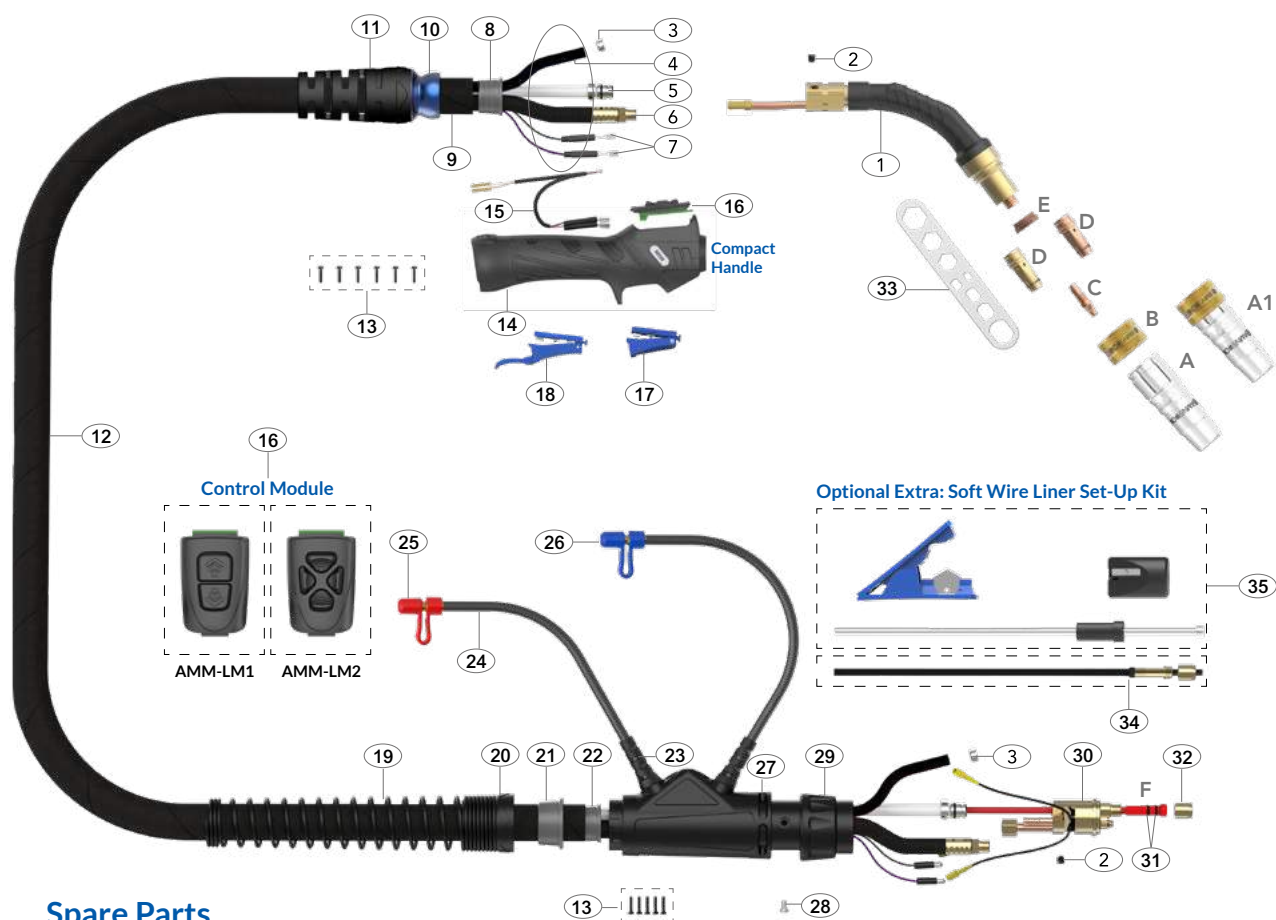
E Tip Adaptor Insulators

Part Number	Description
•AM5WTAI	Tip Adaptor Insulator

F Liners

Part Number	Description	Wire Size
•AM6SL-1012-30	Steel Liner x 3mt	1.0-1.2mm
•AM6SL-1012-40	Steel Liner x 4mt	1.0-1.2mm
•AM6SL-1012-50	Steel Liner x 5mt	1.0-1.2mm
AM6SL-16-30	Steel Liner x 3mt	1.6mm
AM6SL-16-40	Steel Liner x 4mt	1.6mm
AM6SL-16-50	Steel Liner x 5mt	1.6mm
AM6OSWL-1012-30	Soft Wire Liner x 3mt	1.0-1.2mm
AM6OSWL-1012-40	Soft Wire Liner x 4mt	1.0-1.2mm
AM6OSWL-1620-30	Soft Wire Liner x 3mt	1.6-2.0mm
AM6OSWL-1620-40	Soft Wire Liner x 4mt	1.6-2.0mm

For alternate liner options please refer to page 30-31



Spare Parts

Part Number	Description
1 AM5002	Swan Neck Assembly
2 AM6X6	Outer Liner Retaining Screw
3 AM15400023	Water Hose Clamp 10mm
8 AMS8010	Canvas Cover Retainer
10 AMS3208-1	Ball Joint
11 AMS3208-S	Cable Support With Nut
13 AMSP1-1	Screw Pack
14 AMM2514	Compact Handle Kit
15 AMCWS	Module Wiring Harness
16 AMM-LM1	2 Way Compact Control Module
AMM-LM2	4 Way Compact Control Module
17 AM2516	Microswitch Standard Trigger
18 AM2516L	Microswitch Extended Trigger
19 AM8027	Cable Support Spring
20 AM8028	Housing Lock Nut
21 AM8009	Canvas Cover Clamp
22 AM8010	Canvas Cover Retainer
23 AM1820	Hose Support
24 AM5017	Water Outlet Hose Assembly
25 AM80320	Red Cap Stopper
26 AM80310	Blue Cap Stopper
27 AM5022	Housing Assembly
28 AM1526	Gun Plug Screw (M4 x 0.7)
29 AM1519	Gun Plug Nut
30 AM5098	Water-Cooled Plug Body Assembly
31 AMLOR	Liner 'O' Ring
32 AM1826	Liner Retaining Nut

Part Number	Description
33 AMWS	Wear Parts Spanner
Optional Extra	
34 AMOSWLG	Soft Wire Liner Gasket
35 AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit

Cable Parts

Description	Part Number		
	3mt	4mt	5mt
4 Water Inlet Hose Assembly	AM5012-30	AM5012-40	AM5012-50
5 Outer Liner Assembly	AM6008-30	AM6008-40	AM6008-50
6 Power Cable Assembly	AM6015-30	AM6015-40	AM6015-50
7 Switch Lead Assembly	AM5010M-30	AM5010M-40	AM5010M-50
9 Canvas Cover Assembly	AM5019-30	AM5019-40	AM5019-50
12 Complete Cable Assembly	AM5506C-30	AM5506C-40	AM5506C-50

Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 31). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

M55W Digital Liquid-Cooled Mig Welding Torch

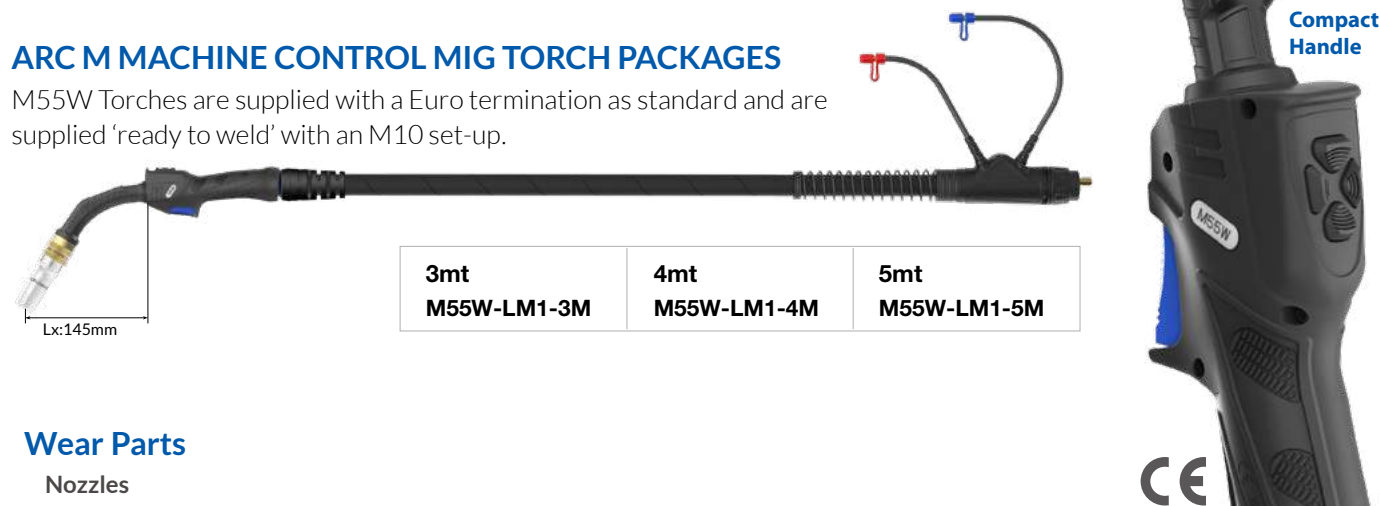
Ratings:	580A CO ₂ , 560A mixed gas M21, 400A pulse @100% Max. Load 25KW with 1600W liquid cooler, 0.9mm-2.0mm wires
	550A CO ₂ , 530A mixed gas M21, 360A pulse @100% Max. Load 23KW with 1200W liquid cooler, 0.9mm-2.0mm wires

Ideal for all high deposition applications with high reflected heat.

Control of simple machine parameters is made via the torch handle by interfacing 2 or 4 way digital control module.

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M55W Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with an M10 set-up.



3mt
M55W-LM1-3M

4mt
M55W-LM1-4M

5mt
M55W-LM1-5M

Wear Parts

Nozzles

Part Number	Description	Bore	Wall	Material
A •AMN55WCN	Conical / Insulator Assy	15mm	3.0mm	Copper
AMN55WTN	Tapered / Insulator Assy	13mm	3.0mm	Copper
AMN55WCYN	Cylindrical/Insulator Assy	17mm	3.0mm	Copper
A1•AMN55WCN-C	Conical Nozzle c/w Insulator & Retaining Ring			
AMN55WTN-C	Tapered Nozzle c/w Insulator & Retaining Ring			
AMN55WCYN-C	Cylindrical Nozzle c/w Insulator & Retaining Ring			

B Nozzle Retaining Rings

Part Number	Description	Size	Material
•AMN6WCNR	Nozzle Retaining Ring-Pull Off	30.5mm	Brass

C Contact Tips

Part Number	Description	Size (mm)	Wire Size (mm-inch)	Material
Standard Series				
AM6WCT09	Contact Tip	M10*35.5	0.9 - 0.035"	CuCrZr
AM6WCT10	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
•AM6WCT12	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT14	Contact Tip	M10*35.5	1.4 - 0.055"	CuCrZr
AM6WCT16	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
A Series				
AM6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
AM6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT16A	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20A	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
AMC6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	Copper
AMC6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	Copper

• Denotes torch package standard wear part set-up

D Tip Adaptors

Part Number	Description	Material
•AM6OSWTAC-20	High Performance 2.0mm Recess	Copper
AM6OSWTAC-45	High Performance 4.5mm Recess	Copper
AM6OSWTAB-20	Tip Adaptor 2.0mm Recess	Brass
AM6OSWTAB-45	Tip Adaptor 4.5mm Recess	Brass

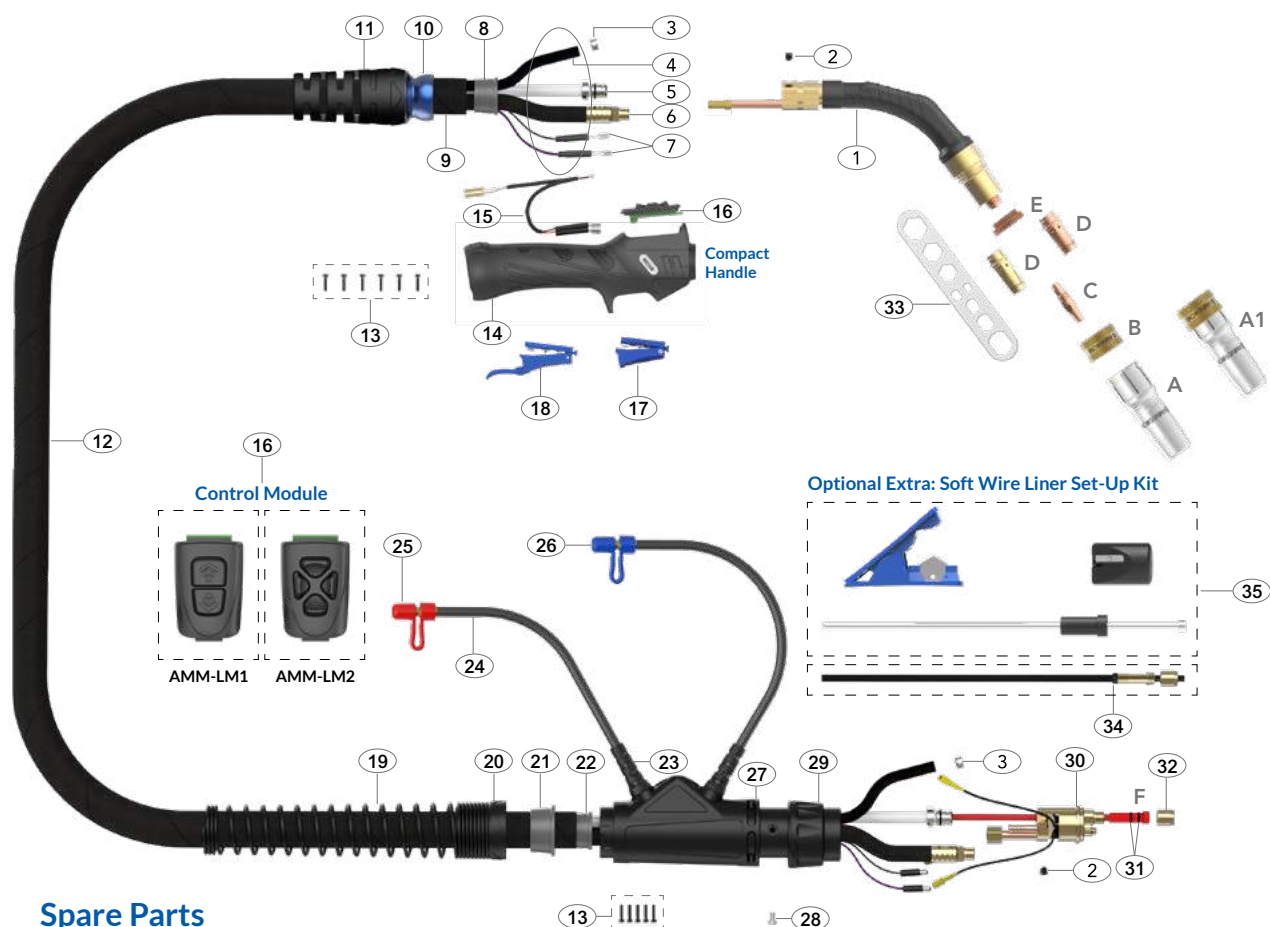
E Tip Adaptor Insulators

Part Number	Description
•AM55WTAI	Tip Adaptor Insulator

F Liners

Part Number	Description	Wire Size
•AM6SL-1012-30	Steel Liner x 3mt	1.0-1.2mm
•AM6SL-1012-40	Steel Liner x 4mt	1.0-1.2mm
•AM6SL-1012-50	Steel Liner x 5mt	1.0-1.2mm
AM6SL-16-30	Steel Liner x 3mt	1.6mm
AM6SL-16-40	Steel Liner x 4mt	1.6mm
AM6SL-16-50	Steel Liner x 5mt	1.6mm
AM6SL-20-30	Steel Liner x 3mt	2.0mm
AM6SL-20-40	Steel Liner x 4mt	2.0mm
AM6SL-20-50	Steel Liner x 5mt	2.0mm
AM6OSWL-1012-30	Soft Wire Liner x 3mt	1.0-1.2mm
AM6OSWL-1012-40	Soft Wire Liner x 4mt	1.0-1.2mm
AM6OSWL-1620-30	Soft Wire Liner x 3mt	1.6-2.0mm
AM6OSWL-1620-40	Soft Wire Liner x 4mt	1.6-2.0mm

For alternate liner options please refer to page 30-31



Spare Parts

Part Number	Description
1 AM5502	Swan Neck Assembly
2 AM6X6	Outer Liner Retaining Screw
3 AM15400023	Water Hose Clamp 10mm
8 AMS8010	Canvas Cover Retainer
10 AMS3208-1	Ball Joint
11 AMS3208-S	Cable Support With Nut
13 AMSP1-1	Screw Pack
14 AMM2514	Compact Handle Kit
15 AMCWS	Module Wiring Harness
16 AMM-LM1	2 Way Compact Control Module
AMM-LM2	4 Way Compact Control Module
17 AM2516	Microswitch Standard Trigger
18 AM2516L	Microswitch Extended Trigger
19 AM8027	Cable Support Spring
20 AM8028	Housing Lock Nut
21 AM8009	Canvas Cover Clamp
22 AM8010	Canvas Cover Retainer
23 AM1820	Hose Support
24 AM5017	Water Outlet Hose Assembly
25 AM80320	Red Cap Stopper
26 AM80310	Blue Cap Stopper
27 AM5022	Housing Assembly
28 AM1526	Gun Plug Screw (M4 x 0.7)
29 AM1519	Gun Plug Nut
30 AM5098	Water-Cooled Plug Body Assembly
31 AMLOR	Liner 'O' Ring
32 AM1826	Liner Retaining Nut

Part Number	Description
33 AMWS	Wear Parts Spanner
Optional Extra	
34 AMOSWLG	Soft Wire Liner Gasket
35 AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit

Cable Parts

Description	Part Number		
	3mt	4mt	5mt
4 Water Inlet Hose Assembly	AM5012-30	AM5012-40	AM5012-50
5 Outer Liner Assembly	AM6008-30	AM6008-40	AM6008-50
6 Power Cable Assembly	AM6015-30	AM6015-40	AM6015-50
7 Switch Lead Assembly	AM5010M-30	AM5010M-40	AM5010M-50
9 Canvas Cover Assembly	AM5019-30	AM5019-40	AM5019-50
12 Complete Cable Assembly	AM5506C-30	AM5506C-40	AM5506C-50

Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 31). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

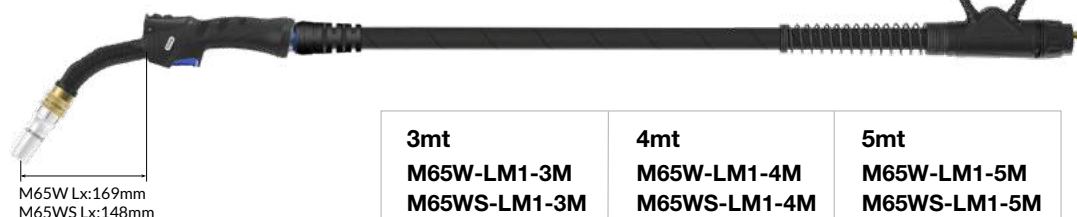
New M65W/M65WS Digital Liquid-Cooled Mig Welding Torch

M65W/ M65WS Ratings:	580A CO ₂ , 560A mixed gas M21, 400A pulse @100% Max. Load 25KW with 1600W liquid cooler, 0.9mm-2.0mm wires
	550A CO ₂ , 520A mixed gas M21, 360A pulse @100% Max. Load 23KW with 1200W liquid cooler, 0.9mm-2.0mm wires

Ideal for high deposition and pulse applications with high reflected heat. Fitted with a long neck as standard with an optional shorter version.
Control of simple machine parameters is made via the torch handle by interfacing 2 or 4 way digital control module.

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M65W/WS Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



3mt M65W-LM1-3M M65WS-LM1-3M	4mt M65W-LM1-4M M65WS-LM1-4M	5mt M65W-LM1-5M M65WS-LM1-5M
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Wear Parts

Nozzles

Part Number	Description	Bore	Wall	Material
A • AMN55WCN	Conical / Insulator Assy	15mm	3.0mm	Copper
AMN55WTN	Tapered / Insulator Assy	13mm	3.0mm	Copper
AMN55WCYN	Cylindrical/Insulator Assy	17mm	3.0mm	Copper
A1 • AMN55WCN-C	Conical Nozzle c/w Insulator & Retaining Ring			
AMN55WTN-C	Tapered Nozzle c/w Insulator & Retaining Ring			
AMN55WCYN-C	Cylindrical Nozzle c/w Insulator & Retaining Ring			

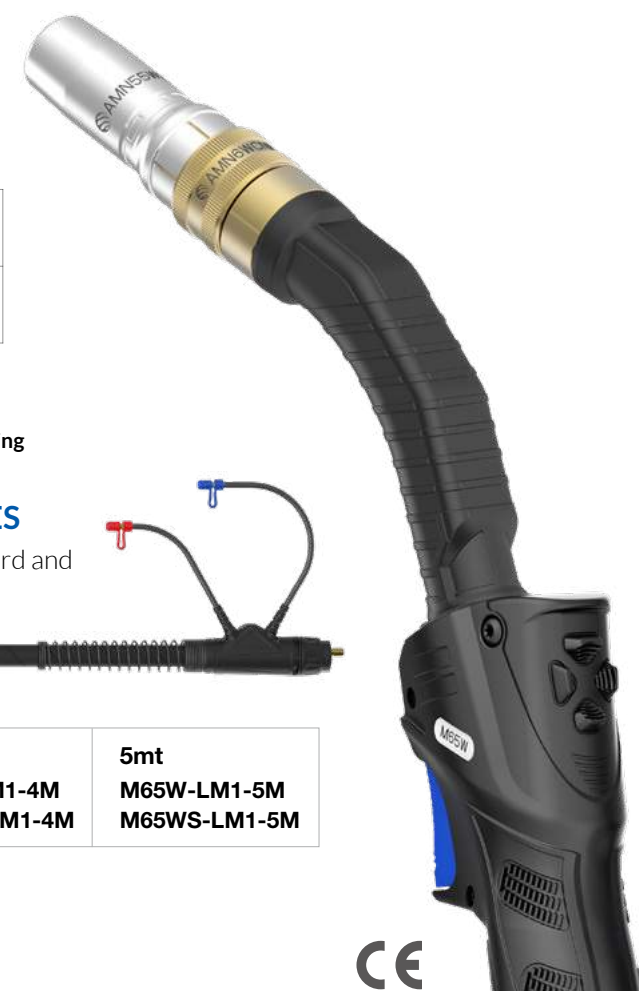
B Nozzle Retaining Rings

Part Number	Description	Size	Material
• AMN6WCNR	Nozzle Retaining Ring-Pull Off	30.5mm	Brass

C Contact Tips

Part Number	Description	Size (mm)	Wire Size (mm-inch)	Material
Standard Series				
AM6WCT09	Contact Tip	M10*35.5	0.9 - 0.035"	CuCrZr
AM6WCT10	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
• AM6WCT12	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT14	Contact Tip	M10*35.5	1.4 - 0.055"	CuCrZr
AM6WCT16	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
A Series				
AM6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
AM6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT16A	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20A	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
AMC6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	Copper
AMC6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	Copper

• Denotes torch package standard wear part set-up



D Tip Adaptors

Part Number	Description	Material
• AM6OSWTAC-20	High Performance 2.0mm Recess	Copper
AM6OSWTAC-45	High Performance 4.5mm Recess	Copper
AM6OSWTAB-20	Tip Adaptor 2.0mm Recess	Brass
AM6OSWTAB-45	Tip Adaptor 4.5mm Recess	Brass

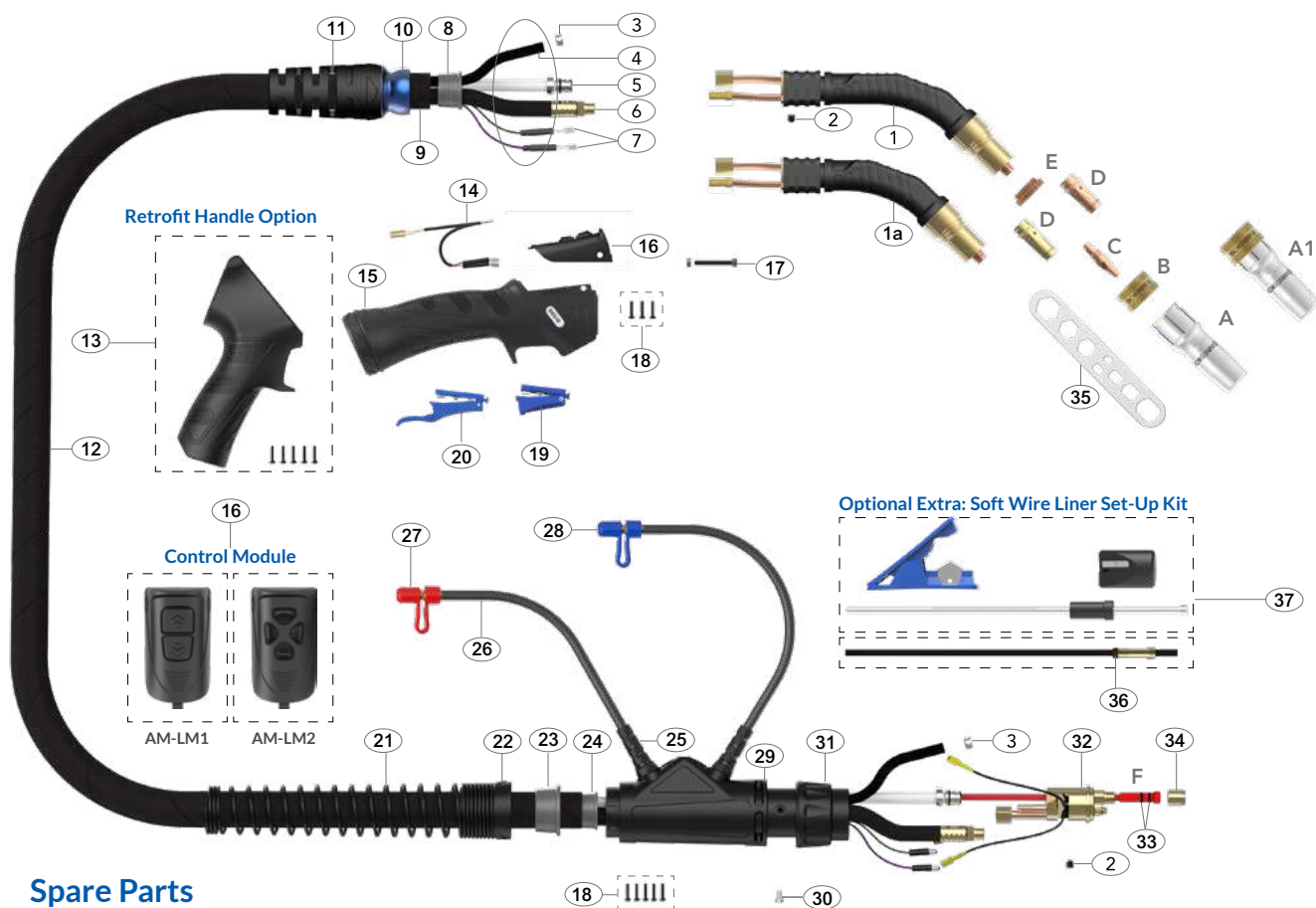
E Tip Adaptor Insulators

Part Number	Description
• AM55WTAI	Tip Adaptor Insulator

F Liners

Part Number	Description	Wire Size
• AM6SL-1012-30	Steel Liner x 3mt	1.0-1.2mm
• AM6SL-1012-40	Steel Liner x 4mt	1.0-1.2mm
• AM6SL-1012-50	Steel Liner x 5mt	1.0-1.2mm
AM6SL-16-30	Steel Liner x 3mt	1.6mm
AM6SL-16-40	Steel Liner x 4mt	1.6mm
AM6SL-16-50	Steel Liner x 5mt	1.6mm
AM6SL-20-30	Steel Liner x 3mt	2.0mm
AM6SL-20-40	Steel Liner x 4mt	2.0mm
AM6SL-20-50	Steel Liner x 5mt	2.0mm
AM6OSWL-1012-30	Soft Wire Liner x 3mt	1.0-1.2mm
AM6OSWL-1012-40	Soft Wire Liner x 4mt	1.0-1.2mm
AM6OSWL-1620-30	Soft Wire Liner x 3mt	1.6-2.0mm
AM6OSWL-1620-40	Soft Wire Liner x 4mt	1.6-2.0mm

For alternate liner options please refer to page 30-31



Spare Parts

Part Number	Description
1 AM6502	M65W Swan Neck Assembly 45°
1a AM6502S	M65WS Swan Neck Assembly 45°
2 AM6X6	Outer Liner Retaining Screw
3 AM15400023	Water Hose Clamp 10mm
8 AMS8010	Canvas Cover Retainer
10 AM3208-1	Ball Joint
11 AMS3208-S	Cable Support With Nut
14 AMCW	Module Wiring Harness
15 AM2515	Handle and Lock Nut Assembly
16 AM-LM1	2 Way Control Module
AM-LM2	4 Way Control Module
17 AMDMNS	Screw and Nut
18 AMSP1-1	Screw Pack
19 AM2516	Microswitch Standard Trigger
20 AM2516L	Microswitch Extended Trigger
21 AM8027	Cable Support Spring
22 AM8028	Housing Lock Nut
23 AM8009	Canvas Cover Clamp
24 AM8010	Canvas Cover Retainer
25 AM1820	Hose Support
26 AM5017	Water Outlet Hose Assembly
27 AM80320	Red Cap Stopper
28 AM80310	Blue Cap Stopper
29 AM5022	Housing Assembly
30 AM1526	Gun Plug Screw (M4 x 0.7)
31 AM1519	Gun Plug Nut
32 AM5098	Water-Cooled Plug Body Assembly

Part Number	Description
33 AMLOR	Liner 'O' Ring
34 AM1826	Liner Retaining Nut
35 AMWS	Wear Parts Spanner
Optional Extra	
36 AMOSWLG	Soft Wire Liner Gasket
37 AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit

Retrofit Handle Option

Part Number	Description
13 AMMP2515	Pistol Handle Assembly

Cable Parts

Description	Part Number		
	3mt	4mt	5mt
4 Water Inlet Hose Assembly	AM5012-30	AM5012-40	AM5012-50
5 Outer Liner Assembly	AM6008-30	AM6008-40	AM6008-50
6 Power Cable Assembly	AM6015-30	AM6015-40	AM6015-50
7 Switch Lead Assembly	AM5010M-30	AM5010M-40	AM5010M-50
9 Canvas Cover Assembly	AM5019-30	AM5019-40	AM5019-50
12 Complete Cable Assembly	AM6006C-30	AM6006C-40	AM6006C-50

Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 31). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

New M65WLP Digital Liquid-Cooled Mig Welding Torch

M65WLP Ratings:	590A CO ₂ , 570A mixed gas M21, 420A pulse @100%
	Max. Load 26KW with 1600W liquid cooler, 0.9mm-2.0mm wires
Ratings:	560A CO ₂ , 530A mixed gas M21, 380A pulse @100%
	Max. Load 24KW with 1200W liquid cooler, 0.9mm-2.0mm wires

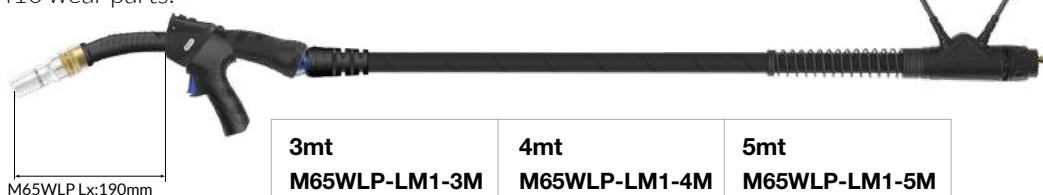
Ideal for high deposition and pulse applications with high reflected heat.

Suitable for larger wire sizes, the 22° neck is better for feeding both stiff and soft wires.

Control of simple machine parameters is made via the torch handle by interfacing 2 or 4 way digital control module.

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M65WLP Torches are supplied with a Euro termination as standard and is supplied with a pistol handle and 'ready to weld' with high performance M10 wear parts.



*M65WLP supplied with high performance M10 wear parts.

Wear Parts

Nozzles

Part Number	Description	Bore	Wall	Material
A • AMN55WCN	Conical / Insulator Assy	15mm	3.0mm	Copper
AMN55WTN	Tapered / Insulator Assy	13mm	3.0mm	Copper
AMN55WCYN	Cylindrical/Insulator Assy	17mm	3.0mm	Copper
A1 • AMN55WCN-C	Conical Nozzle c/w Insulator & Retaining Ring			
AMN55WTN-C	Tapered Nozzle c/w Insulator & Retaining Ring			
AMN55WCYN-C	Cylindrical Nozzle c/w Insulator & Retaining Ring			

B Nozzle Retaining Rings

Part Number	Description	Size	Material
• AMN6WCNR	Nozzle Retaining Ring-Pull Off	30.5mm	Brass

C Contact Tips

Part Number	Description	Size (mm)	Wire Size (mm-inch)	Material
Standard Series				
AM6WCT09	Contact Tip	M10*35.5	0.9 - 0.035"	CuCrZr
AM6WCT10	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
• AM6WCT12	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT14	Contact Tip	M10*35.5	1.4 - 0.055"	CuCrZr
AM6WCT16	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
A Series				
AM6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
AM6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT16A	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20A	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
AMC6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	Copper
AMC6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	Copper

• Denotes torch package standard wear part set-up

D Tip Adaptors

Part Number	Description	Material
• AM6OSWTAC-20	High Performance 2.0mm Recess	Copper
AM6OSWTAC-45	High Performance 4.5mm Recess	Copper
AM6OSWTAB-20	Tip Adaptor 2.0mm Recess	Brass
AM6OSWTAB-45	Tip Adaptor 4.5mm Recess	Brass

E Tip Adaptor Insulators

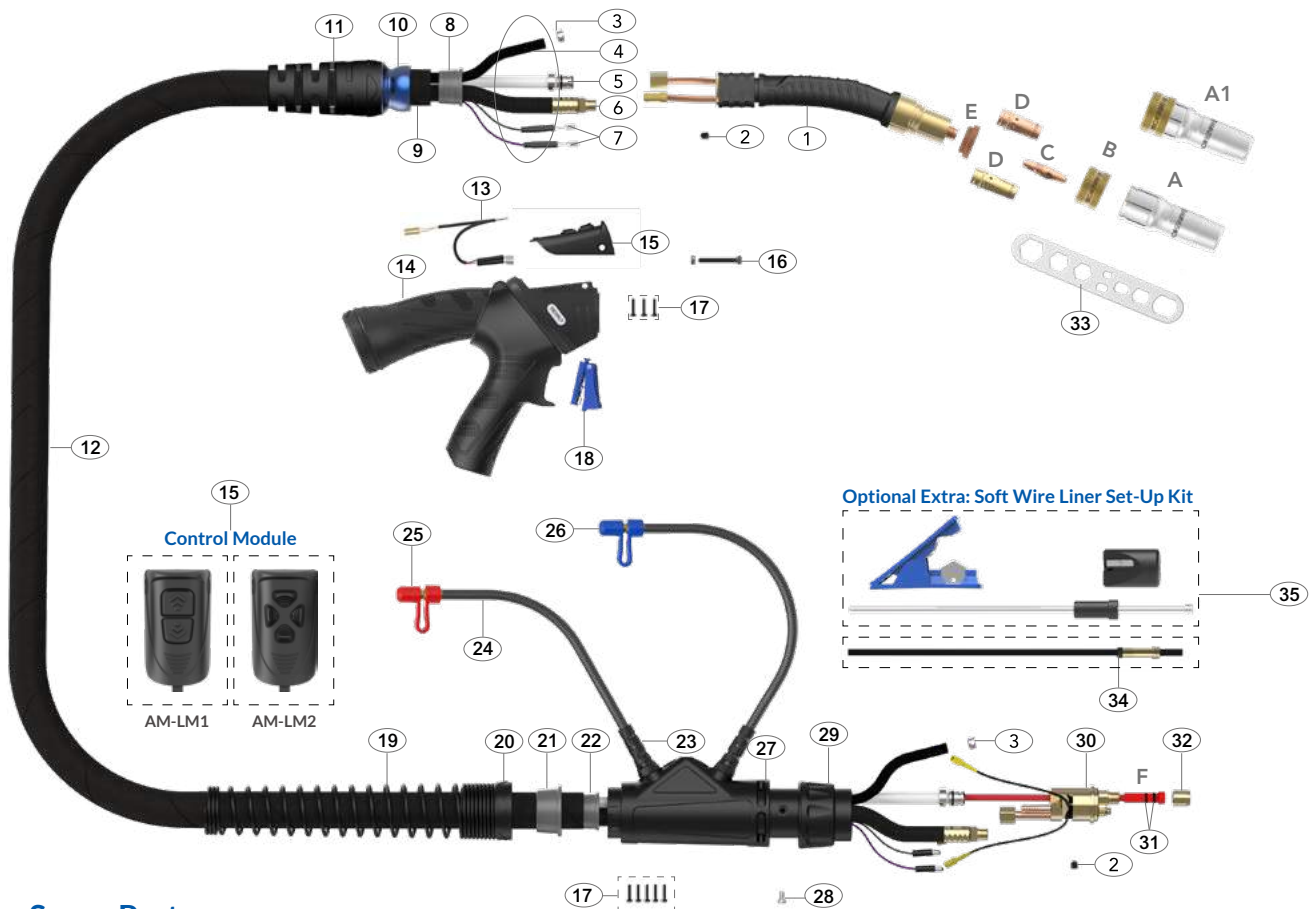
Part Number	Description
• AM55WTAI	Tip Adaptor Insulator

F Liners

Part Number	Description	Wire Size
• AM6SL-1012-30	Steel Liner x 3mt	1.0-1.2mm
• AM6SL-1012-40	Steel Liner x 4mt	1.0-1.2mm
• AM6SL-1012-50	Steel Liner x 5mt	1.0-1.2mm
AM6SL-16-30	Steel Liner x 3mt	1.6mm
AM6SL-16-40	Steel Liner x 4mt	1.6mm
AM6SL-16-50	Steel Liner x 5mt	1.6mm
AM6SL-20-30	Steel Liner x 3mt	2.0mm
AM6SL-20-40	Steel Liner x 4mt	2.0mm
AM6SL-20-50	Steel Liner x 5mt	2.0mm
AM6OSWL-1012-30	Soft Wire Liner x 3mt	1.0-1.2mm
AM6OSWL-1012-40	Soft Wire Liner x 4mt	1.0-1.2mm
AM6OSWL-1620-30	Soft Wire Liner x 3mt	1.6-2.0mm
AM6OSWL-1620-40	Soft Wire Liner x 4mt	1.6-2.0mm

For alternate liner options please refer to page 30-31





Spare Parts

Part Number	Description
1 AM6502P	M65WLP Swan Neck Assembly 22°
2 AM6X6	Outer Liner Retaining Screw
3 AM15400023	Water Hose Clamp 10mm
8 AMS8010	Canvas Cover Retainer
10 AM3208-1	Ball Joint
11 AMS3208-S	Cable Support With Nut
13 AMCV	Module Wiring Harness
14 AMP2515-KJ	Handle and Lock Nut Assembly
15 AM-LM1	2 Way Control Module
AM-LM2	4 Way Control Module
16 AMDMNS	Screw and Nut
17 AMS1-1	Screw Pack
18 AM2516	Microswitch Standard Trigger
19 AM8027	Cable Support Spring
20 AM8028	Housing Lock Nut
21 AM8009	Canvas Cover Clamp
22 AM8010	Canvas Cover Retainer
23 AM1820	Hose Support
24 AM5017	Water Outlet Hose Assembly
25 AM80320	Red Cap Stopper
26 AM80310	Blue Cap Stopper
27 AM5022	Housing Assembly
28 AM1526	Gun Plug Screw (M4 x 0.7)
29 AM1519	Gun Plug Nut
30 AM5098	Water-Cooled Plug Body Assembly
31 AMLOR	Liner 'O' Ring

Part Number	Description
32 AM1826	Liner Retaining Nut
33 AMWS	Wear Parts Spanner
Optional Extra	
34 AMOSWLG	Soft Wire Liner Gasket
35 AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit

Cable Parts

Description	Part Number		
	3mt	4mt	5mt
4 Water Inlet Hose Assembly	AM5012-30	AM5012-40	AM5012-50
5 Outer Liner Assembly	AM6008-30	AM6008-40	AM6008-50
6 Power Cable Assembly	AM6015-30	AM6015-40	AM6015-50
7 Switch Lead Assembly	AM5010M-30	AM5010M-40	AM5010M-50
9 Canvas Cover Assembly	AM5019-30	AM5019-40	AM5019-50
12 Complete Cable Assembly	AM6006C-30	AM6006C-40	AM6006C-50

Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 31). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

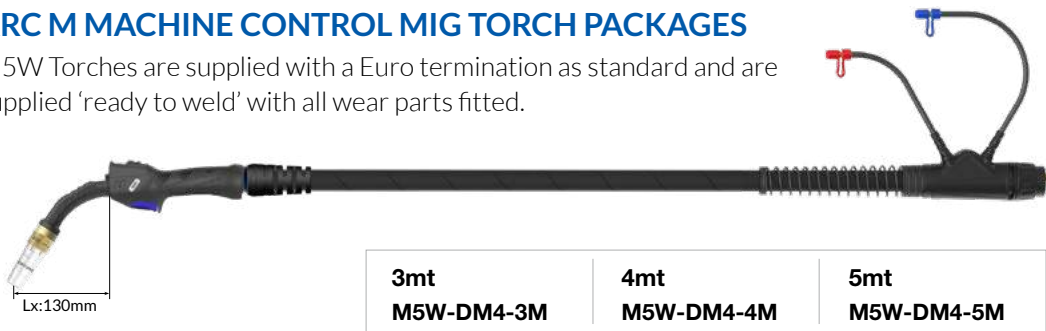
M5W Digital Display Liquid-Cooled Mig Welding Torch

Ratings:	560A CO ₂ , 540A mixed gas M21, 380A pulse @100% Max. Load 24KW with 1600W liquid cooler, 0.9mm-1.6mm wires
	540A CO ₂ , 520A mixed gas M21, 350A pulse @100% Max. Load 22KW with 1200W liquid cooler, 0.9mm-1.6mm wires

Ideal for heavy duty 1.2mm high deposition and pulse applications with high tech control of the welding parameters by digitally interfacing control features from the torch.

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M5W Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



Wear Parts

Nozzles				
Part Number	Description	Bore	Wall	Material
A •AMN5WCN	Conical / Insulator Assy	13.5mm	3.0mm	Copper
AMN5WTN	Tapered / Insulator Assy	11.5mm	3.0mm	Copper
AMN5WCYN	Cylindrical / Insulator Assy	16.0mm	3.0mm	Copper
A1 •AMN5WCN-C	Conical Nozzle c/w Insulator & Retaining Ring			
AMN5WTN-C	Tapered Nozzle c/w Insulator & Retaining Ring			
AMN5WCYN-C	Cylindrical Nozzle c/w Insulator & Retaining Ring			

B Nozzle Retaining Rings			
Part Number	Description	Size	Material
•AMN5WCNR	Nozzle Retaining Ring	29.5mm	Brass

C Contact Tips				
Part Number	Description	Size (mm)	Wire Size (mm-inch)	Material
Standard Series				
AM5CT09	Contact Tip	M8*29.5	0.9 - 0.035"	CuCrZr
AM5CT10	Contact Tip	M8*29.5	1.0 - 0.040"	CuCrZr
•AM5CT12	Contact Tip	M8*29.5	1.2 - 0.045"	CuCrZr
AM5CT14	Contact Tip	M8*29.5	1.4 - 0.055"	CuCrZr
AM5CT16	Contact Tip	M8*29.5	1.6 - 0.063"	CuCrZr
A Series				
AM5CT10A	Contact Tip	M8*29.5	1.0 - 0.040"	CuCrZr
AM5CT12A	Contact Tip	M8*29.5	1.2 - 0.045"	CuCrZr
AM5CT16A	Contact Tip	M8*29.5	1.6 - 0.063"	CuCrZr
AM2CT10A	Contact Tip	M8*29.5	1.0 - 0.040"	Copper
AM2CT12A	Contact Tip	M8*29.5	1.2 - 0.045"	Copper

•Denotes torch package standard wear part set-up

D Tip Adaptors

Part Number	Description	Material
•AM5WTAC-20	High Performance 2.0mm Recess	Copper
AM5WTAC-45	High Performance 4.5mm Recess	Copper
AM5WTAB-20	Tip Adaptor 2.0mm Recess	Brass
AM5WTAB-45	Tip Adaptor 4.5mm Recess	Brass

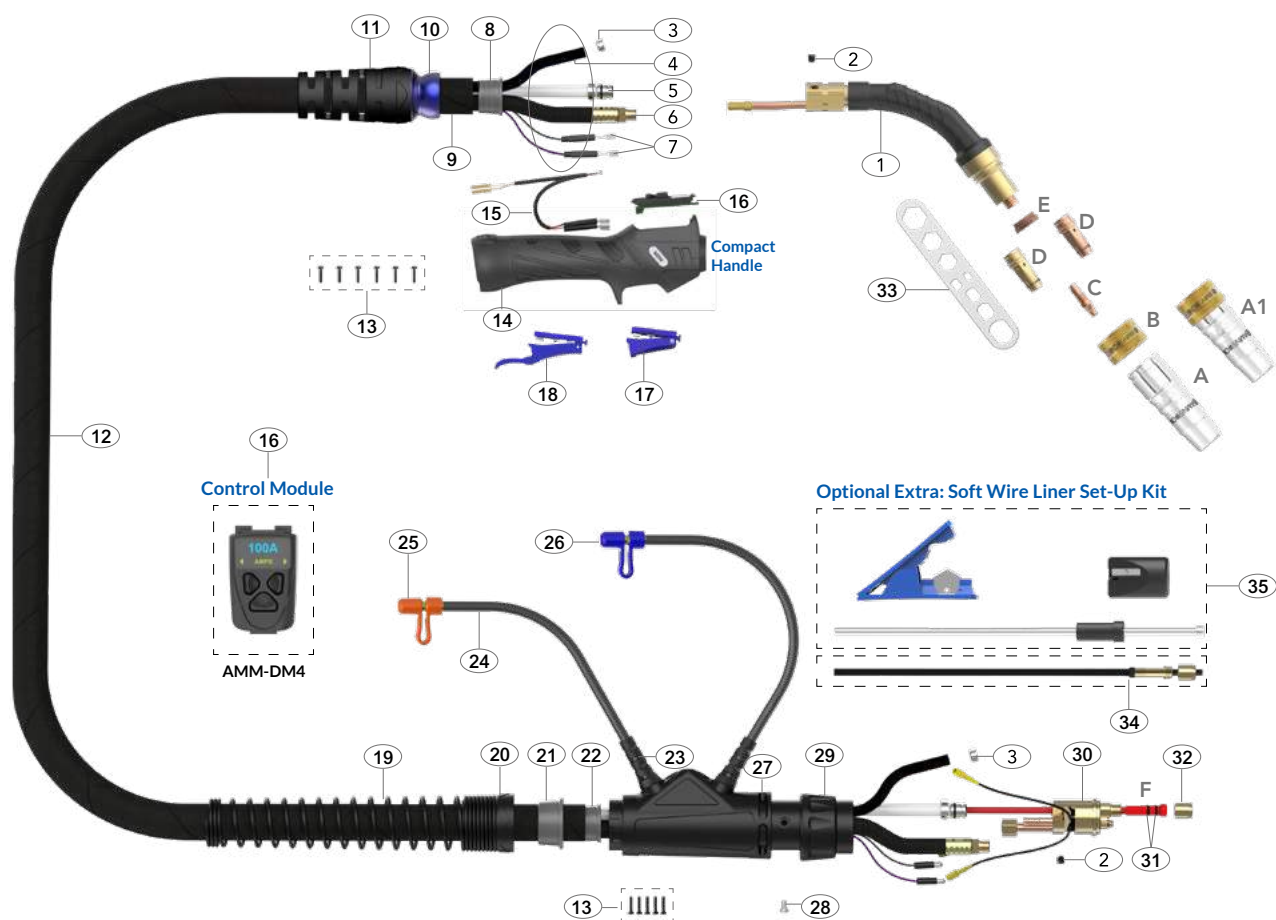
E Tip Adaptor Insulators

Part Number	Description
•AM5WTAI	Tip Adaptor Insulator

F Liners

Part Number	Description	Wire Size
•AM6SL-1012-30	Steel Liner x 3mt	1.0-1.2mm
•AM6SL-1012-40	Steel Liner x 4mt	1.0-1.2mm
•AM6SL-1012-50	Steel Liner x 5mt	1.0-1.2mm
AM6SL-16-30	Steel Liner x 3mt	1.6mm
AM6SL-16-40	Steel Liner x 4mt	1.6mm
AM6SL-16-50	Steel Liner x 5mt	1.6mm
AM6OSWL-1012-30	Soft Wire Liner x 3mt	1.0-1.2mm
AM6OSWL-1012-40	Soft Wire Liner x 4mt	1.0-1.2mm
AM6OSWL-1620-30	Soft Wire Liner x 3mt	1.6-2.0mm
AM6OSWL-1620-40	Soft Wire Liner x 4mt	1.6-2.0mm

For alternate liner options please refer to page 30-31



Spare Parts

Part Number	Description
1 AM5002	Swan Neck Assembly
2 AM6X6	Outer Liner Retaining Screw
3 AM15400023	Water Hose Clamp 10mm
8 AMS8010	Canvas Cover Retainer
10 AMS3208-1	Ball Joint
11 AMS3208-S	Cable Support With Nut
13 AMSP1-1	Screw Pack
14 AMM2514	Compact Handle Kit
15 AMCWS	Module Wiring Harness
16 AMM-DM4	Compact Control Module Digital Display
17 AM2516	Microswitch Standard Trigger
18 AM2516L	Microswitch Extended Trigger
19 AM8027	Cable Support Spring
20 AM8028	Housing Lock Nut
21 AM8009	Canvas Cover Clamp
22 AM8010	Canvas Cover Retainer
23 AM1820	Hose Support
24 AM5017	Water Outlet Hose Assembly
25 AM80320	Red Cap Stopper
26 AM80310	Blue Cap Stopper
27 AM5022	Housing Assembly
28 AM1526	Gun Plug Screw (M4 x 0.7)
29 AM1519	Gun Plug Nut
30 AM5098	Water-Cooled Plug Body Assembly
31 AMLOR	Liner 'O' Ring
32 AM1826	Liner Retaining Nut

Part Number	Description
33 AMWS	Wear Parts Spanner
Optional Extra	
34 AMOSWL	Soft Wire Liner Gasket
35 AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit

Cable Parts

Description	Part Number		
	3mt	4mt	5mt
4 Water Inlet Hose Assembly	AM5012-30	AM5012-40	AM5012-50
5 Outer Liner Assembly	AM6008-30	AM6008-40	AM6008-50
6 Power Cable Assembly	AM6015-30	AM6015-40	AM6015-50
7 Switch Lead Assembly	AM5010M-30	AM5010M-40	AM5010M-50
9 Canvas Cover Assembly	AM5019-30	AM5019-40	AM5019-50
12 Complete Cable Assembly	AM5506C-30	AM5506C-40	AM5506C-50

Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 31). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

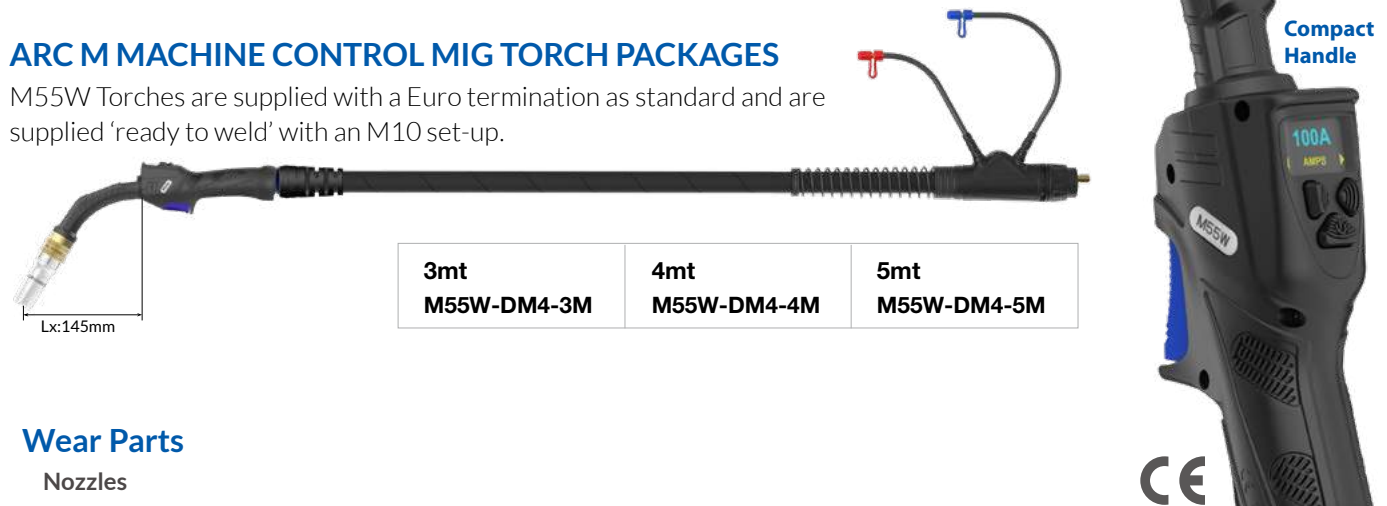
M55W Digital Display Liquid-Cooled Mig Welding Torch

Ratings:	580A CO ₂ , 560A mixed gas M21, 400A pulse @100% Max. Load 25KW with 1600W liquid cooler, 0.9mm-2.0mm wires
	550A CO ₂ , 530A mixed gas M21, 360A pulse @100% Max. Load 23KW with 1200W liquid cooler, 0.9mm-2.0mm wires

Ideal for all high deposition applications with high reflected heat with high tech control of the welding parameters by digitally interfacing control features from the torch.

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M55W Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with an M10 set-up.



3mt M55W-DM4-3M	4mt M55W-DM4-4M	5mt M55W-DM4-5M
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Wear Parts

Nozzles

Part Number	Description	Bore	Wall	Material
A •AMN55WCN	Conical / Insulator Assy	15mm	3.0mm	Copper
AMN55WTN	Tapered / Insulator Assy	13mm	3.0mm	Copper
AMN55WCYN	Cylindrical/Insulator Assy	17mm	3.0mm	Copper
A1•AMN55WCN-C	Conical Nozzle c/w Insulator & Retaining Ring			
AMN55WTN-C	Tapered Nozzle c/w Insulator & Retaining Ring			
AMN55WCYN-C	Cylindrical Nozzle c/w Insulator & Retaining Ring			

B Nozzle Retaining Rings

Part Number	Description	Size	Material
•AMN6WCNR	Nozzle Retaining Ring-Pull Off	30.5mm	Brass

C Contact Tips

Part Number	Description	Size (mm)	Wire Size (mm-inch)	Material
Standard Series				
AM6WCT09	Contact Tip	M10*35.5	0.9 - 0.035"	CuCrZr
AM6WCT10	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
•AM6WCT12	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT14	Contact Tip	M10*35.5	1.4 - 0.055"	CuCrZr
AM6WCT16	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
A Series				
AM6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
AM6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT16A	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20A	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
AMC6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	Copper
AMC6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	Copper

• Denotes torch package standard wear part set-up

D Tip Adaptors

Part Number	Description	Material
•AM6OSWTAC-20	High Performance 2.0mm Recess	Copper
AM6OSWTAC-45	High Performance 4.5mm Recess	Copper
AM6OSWTAB-20	Tip Adaptor 2.0mm Recess	Brass
AM6OSWTAB-45	Tip Adaptor 4.5mm Recess	Brass

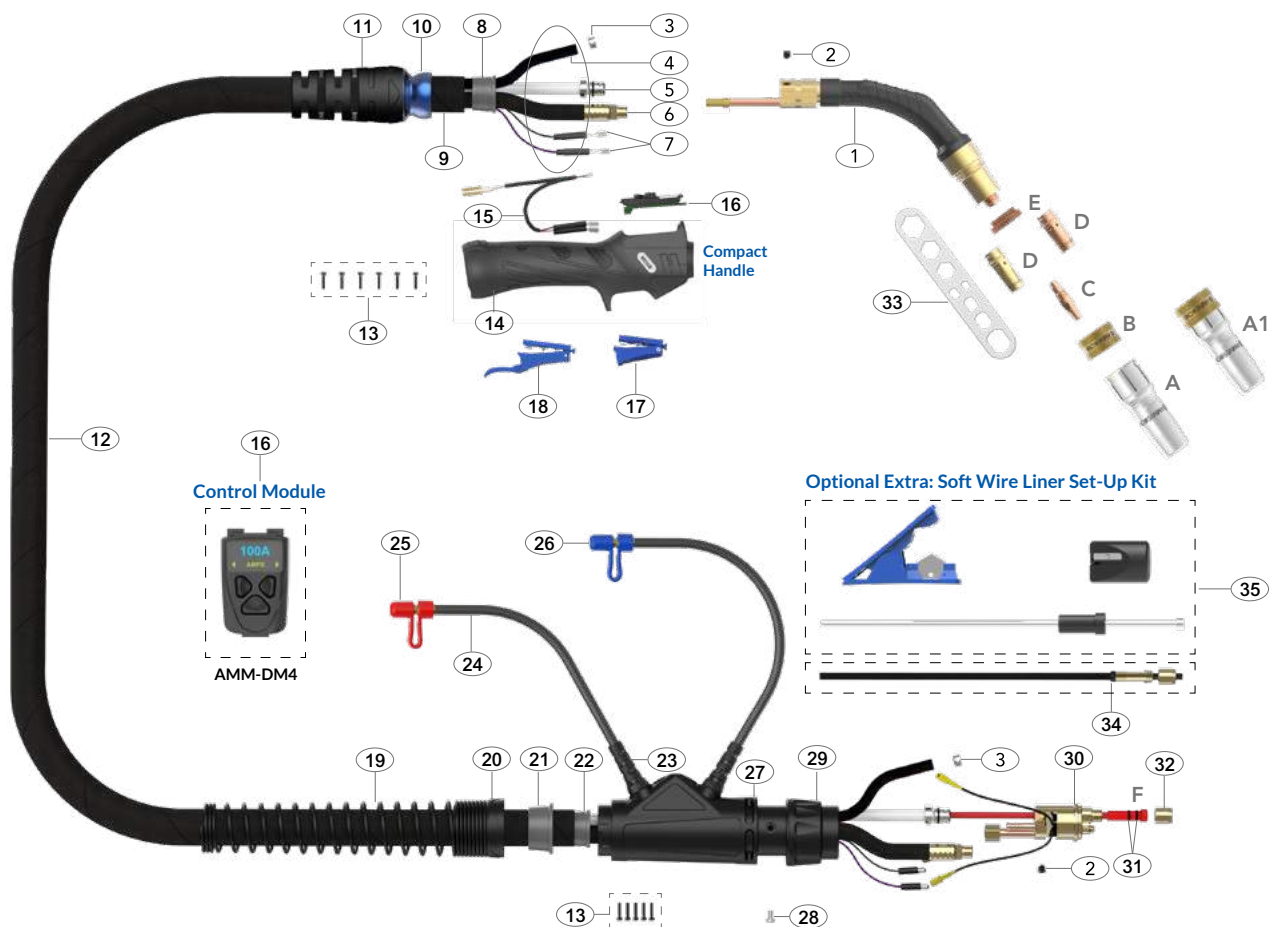
E Tip Adaptor Insulators

Part Number	Description
•AM55WTAI	Tip Adaptor Insulator

F Liners

Part Number	Description	Wire Size
•AM6SL-1012-30	Steel Liner x 3mt	1.0-1.2mm
•AM6SL-1012-40	Steel Liner x 4mt	1.0-1.2mm
•AM6SL-1012-50	Steel Liner x 5mt	1.0-1.2mm
AM6SL-16-30	Steel Liner x 3mt	1.6mm
AM6SL-16-40	Steel Liner x 4mt	1.6mm
AM6SL-16-50	Steel Liner x 5mt	1.6mm
AM6SL-20-30	Steel Liner x 3mt	2.0mm
AM6SL-20-40	Steel Liner x 4mt	2.0mm
AM6SL-20-50	Steel Liner x 5mt	2.0mm
AM6OSWL-1012-30	Soft Wire Liner x 3mt	1.0-1.2mm
AM6OSWL-1012-40	Soft Wire Liner x 4mt	1.0-1.2mm
AM6OSWL-1620-30	Soft Wire Liner x 3mt	1.6-2.0mm
AM6OSWL-1620-40	Soft Wire Liner x 4mt	1.6-2.0mm

For alternate liner options please refer to page 30-31



Spare Parts

Part Number	Description
1 AM5502	Swan Neck Assembly
2 AM6X6	Outer Liner Retaining Screw
3 AM15400023	Water Hose Clamp 10mm
8 AMS8010	Canvas Cover Retainer
10 AMS3208-1	Ball Joint
11 AMS3208-S	Cable Support With Nut
13 AMSP1-1	Screw Pack
14 AMM2514	Compact Handle Kit
15 AMCWS	Module Wiring Harness
16 AMM-DM4	Compact Control Module Digital Display
17 AM2516	Microswitch Standard Trigger
18 AM2516L	Microswitch Extended Trigger
19 AM8027	Cable Support Spring
20 AM8028	Housing Lock Nut
21 AM8009	Canvas Cover Clamp
22 AM8010	Canvas Cover Retainer
23 AM1820	Hose Support
24 AM5017	Water Outlet Hose Assembly
25 AM80320	Red Cap Stopper
26 AM80310	Blue Cap Stopper
27 AM5022	Housing Assembly
28 AM1526	Gun Plug Screw (M4 x 0.7)
29 AM1519	Gun Plug Nut
30 AM5098	Water-Cooled Plug Body Assembly
31 AMLOR	Liner 'O' Ring
32 AM1826	Liner Retaining Nut

Part Number	Description
33 AMWS	Wear Parts Spanner
Optional Extra	
34 AMOSWLG	Soft Wire Liner Gasket
35 AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit

Cable Parts

Description	Part Number		
	3mt	4mt	5mt
4 Water Inlet Hose Assembly	AM5012-30	AM5012-40	AM5012-50
5 Outer Liner Assembly	AM6008-30	AM6008-40	AM6008-50
6 Power Cable Assembly	AM6015-30	AM6015-40	AM6015-50
7 Switch Lead Assembly	AM5010M-30	AM5010M-40	AM5010M-50
9 Canvas Cover Assembly	AM5019-30	AM5019-40	AM5019-50
12 Complete Cable Assembly	AM5506C-30	AM5506C-40	AM5506C-50

Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 31). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

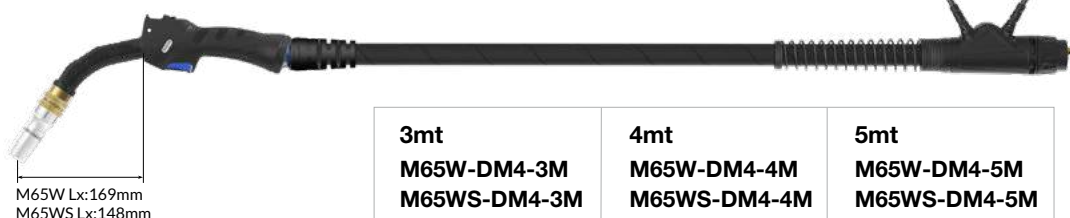
New M65W/M65WS Digital Display Liquid-Cooled Mig Welding Torch

M65W/ M65WS Ratings:	580A CO ₂ , 560A mixed gas M21, 400A pulse @100% Max. Load 25KW with 1600W liquid cooler, 0.9mm-2.0mm wires
	550A CO ₂ , 520A mixed gas M21, 360A pulse @100% Max. Load 23KW with 1200W liquid cooler, 0.9mm-2.0mm wires

Ideal for high deposition and pulse applications with high reflected heat.
Fitted with a long neck as standard with an optional shorter version.
High tech control of the welding parameters is made by digitally
interfacing control features from the torch handle.

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M65W/WS Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



Wear Parts

Nozzles

Part Number	Description	Bore	Wall	Material
A • AMN55WCN	Conical / Insulator Assy	15mm	3.0mm	Copper
AMN55WTN	Tapered / Insulator Assy	13mm	3.0mm	Copper
AMN55WCYN	Cylindrical/Insulator Assy	17mm	3.0mm	Copper
A1 • AMN55WCN-C	Conical Nozzle c/w Insulator & Retaining Ring			
AMN55WTN-C	Tapered Nozzle c/w Insulator & Retaining Ring			
AMN55WCYN-C	Cylindrical Nozzle c/w Insulator & Retaining Ring			

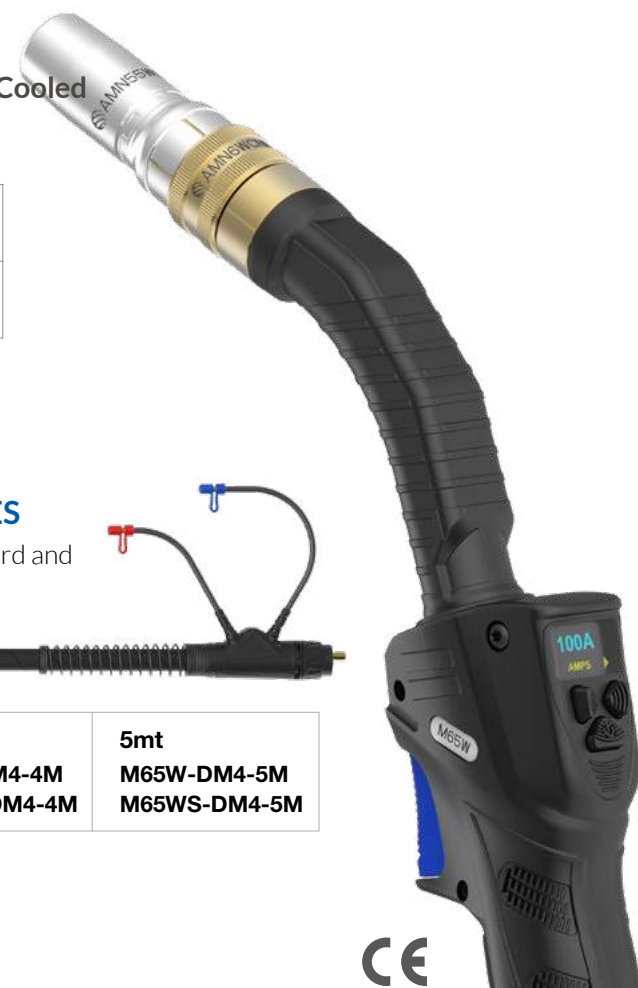
B Nozzle Retaining Rings

Part Number	Description	Size	Material
• AMN6WCNR	Nozzle Retaining Ring-Pull Off	30.5mm	Brass

C Contact Tips

Part Number	Description	Size (mm)	Wire Size (mm-inch)	Material
Standard Series				
AM6WCT09	Contact Tip	M10*35.5	0.9 - 0.035"	CuCrZr
AM6WCT10	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
• AM6WCT12	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT14	Contact Tip	M10*35.5	1.4 - 0.055"	CuCrZr
AM6WCT16	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
A Series				
AM6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
AM6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT16A	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20A	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
AMC6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	Copper
AMC6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	Copper

• Denotes torch package standard wear part set-up



D Tip Adaptors

Part Number	Description	Material
• AM6OSWTAC-20	High Performance 2.0mm Recess	Copper
AM6OSWTAC-45	High Performance 4.5mm Recess	Copper
AM6OSWTAB-20	Tip Adaptor 2.0mm Recess	Brass
AM6OSWTAB-45	Tip Adaptor 4.5mm Recess	Brass

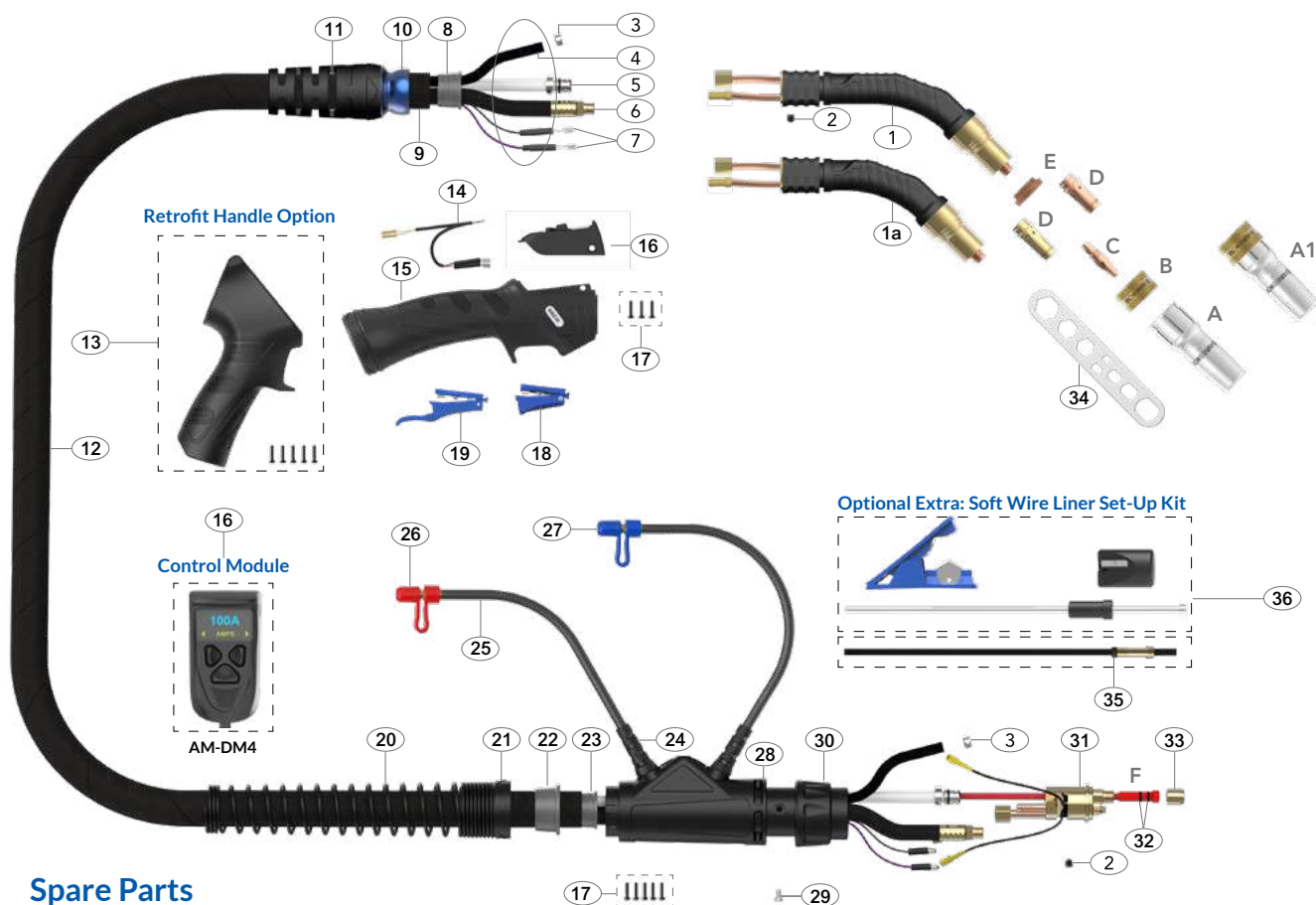
E Tip Adaptor Insulators

Part Number	Description
• AM55WTAI	Tip Adaptor Insulator

F Liners

Part Number	Description	Wire Size
• AM6SL-1012-30	Steel Liner x 3mt	1.0-1.2mm
• AM6SL-1012-40	Steel Liner x 4mt	1.0-1.2mm
• AM6SL-1012-50	Steel Liner x 5mt	1.0-1.2mm
AM6SL-16-30	Steel Liner x 3mt	1.6mm
AM6SL-16-40	Steel Liner x 4mt	1.6mm
AM6SL-16-50	Steel Liner x 5mt	1.6mm
AM6SL-20-30	Steel Liner x 3mt	2.0mm
AM6SL-20-40	Steel Liner x 4mt	2.0mm
AM6SL-20-50	Steel Liner x 5mt	2.0mm
AM6OSWL-1012-30	Soft Wire Liner x 3mt	1.0-1.2mm
AM6OSWL-1012-40	Soft Wire Liner x 4mt	1.0-1.2mm
AM6OSWL-1620-30	Soft Wire Liner x 3mt	1.6-2.0mm
AM6OSWL-1620-40	Soft Wire Liner x 4mt	1.6-2.0mm

For alternate liner options please refer to page 30-31



Spare Parts

Part Number	Description
1 AM6502	M65W Swan Neck Assembly 45°
1a AM6502S	M65WS Swan Neck Assembly 45°
2 AM6X6	Outer Liner Retaining Screw
3 AM15400023	Water Hose Clamp 10mm
8 AMS8010	Canvas Cover Retainer
10 AM3208-1	Ball Joint
11 AMS3208-S	Cable Support With Nut
14 AMCW	Module Wiring Harness
15 AM2515	Handle and Lock Nut Assembly
16 AM-DM4	Control Module Digital Display
17 AMSP1-1	Screw Pack
18 AM2516	Microswitch Standard Trigger
19 AM2516L	Microswitch Extended Trigger
20 AM8027	Cable Support Spring
21 AM8028	Housing Lock Nut
22 AM8009	Canvas Cover Clamp
23 AM8010	Canvas Cover Retainer
24 AM1820	Hose Support
25 AM5017	Water Outlet Hose Assembly
26 AM80320	Red Cap Stopper
27 AM80310	Blue Cap Stopper
28 AM5022	Housing Assembly
29 AM1526	Gun Plug Screw (M4 x 0.7)
30 AM1519	Gun Plug Nut
31 AM5098	Water-Cooled Plug Body Assembly
32 AMLOR	Liner 'O' Ring

Part Number	Description
33 AM1826	Liner Retaining Nut
34 AMWS	Wear Parts Spanner
Optional Extra	
35 AMOSWLG	Soft Wire Liner Gasket
36 AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit

Retrofit Handle Option

Part Number	Description
13 AMMP2515	Pistol Handle Assembly

Cable Parts

Description	Part Number		
	3mt	4mt	5mt
4 Water Inlet Hose Assembly	AM5012-30	AM5012-40	AM5012-50
5 Outer Liner Assembly	AM6008-30	AM6008-40	AM6008-50
6 Power Cable Assembly	AM6015-30	AM6015-40	AM6015-50
7 Switch Lead Assembly	AM5010M-30	AM5010M-40	AM5010M-50
9 Canvas Cover Assembly	AM5019-30	AM5019-40	AM5019-50
12 Complete Cable Assembly	AM6006C-30	AM6006C-40	AM6006C-50

Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 31). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

New M65WLP Digital Display Liquid-Cooled Mig Welding Torch

M65WLP Ratings:	590A CO ₂ , 570A mixed gas M21, 420A pulse @100% Max. Load 26KW with 1600W liquid cooler, 0.9mm-2.0mm wires
	560A CO ₂ , 530A mixed gas M21, 380A pulse @100% Max. Load 24KW with 1200W liquid cooler, 0.9mm-2.0mm wires

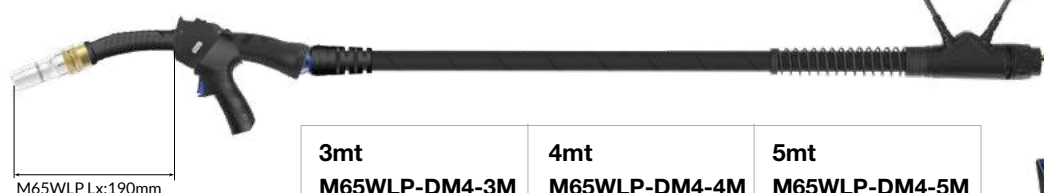
Ideal for high deposition and pulse applications with high reflected heat.

Suitable for larger wire sizes, the 22" neck is better for feeding both stiff and soft wires.

High tech control of the welding parameters is made by digitally interfacing control features from the torch handle.

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M65WLP Torches are supplied with a Euro termination as standard and is supplied with a pistol handle and 'ready to weld' with high performance M10 wear parts.



3mt M65WLP-DM4-3M	4mt M65WLP-DM4-4M	5mt M65WLP-DM4-5M
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*M65WLP supplied with high performance M10 wear parts.

Wear Parts

Nozzles

Part Number	Description	Bore	Wall	Material
A • AMN55WCN	Conical / Insulator Assy	15mm	3.0mm	Copper
AMN55WTN	Tapered / Insulator Assy	13mm	3.0mm	Copper
AMN55WCYN	Cylindrical/Insulator Assy	17mm	3.0mm	Copper
A1 • AMN55WCN-C	Conical Nozzle c/w Insulator & Retaining Ring			
AMN55WTN-C	Tapered Nozzle c/w Insulator & Retaining Ring			
AMN55WCYN-C	Cylindrical Nozzle c/w Insulator & Retaining Ring			

B Nozzle Retaining Rings

Part Number	Description	Size	Material
• AMN6WCNR	Nozzle Retaining Ring-Pull Off	30.5mm	Brass

C Contact Tips

Part Number	Description	Size (mm)	Wire Size (mm-inch)	Material
Standard Series				
AM6WCT09	Contact Tip	M10*35.5	0.9 - 0.035"	CuCrZr
AM6WCT10	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
• AM6WCT12	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT14	Contact Tip	M10*35.5	1.4 - 0.055"	CuCrZr
AM6WCT16	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
A Series				
AM6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
AM6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT16A	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20A	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
AMC6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	Copper
AMC6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	Copper

• Denotes torch package standard wear part set-up

D Tip Adaptors

Part Number	Description	Material
• AM6OSWTAC-20	High Performance 2.0mm Recess	Copper
AM6OSWTAC-45	High Performance 4.5mm Recess	Copper
AM6OSWTAB-20	Tip Adaptor 2.0mm Recess	Brass
AM6OSWTAB-45	Tip Adaptor 4.5mm Recess	Brass

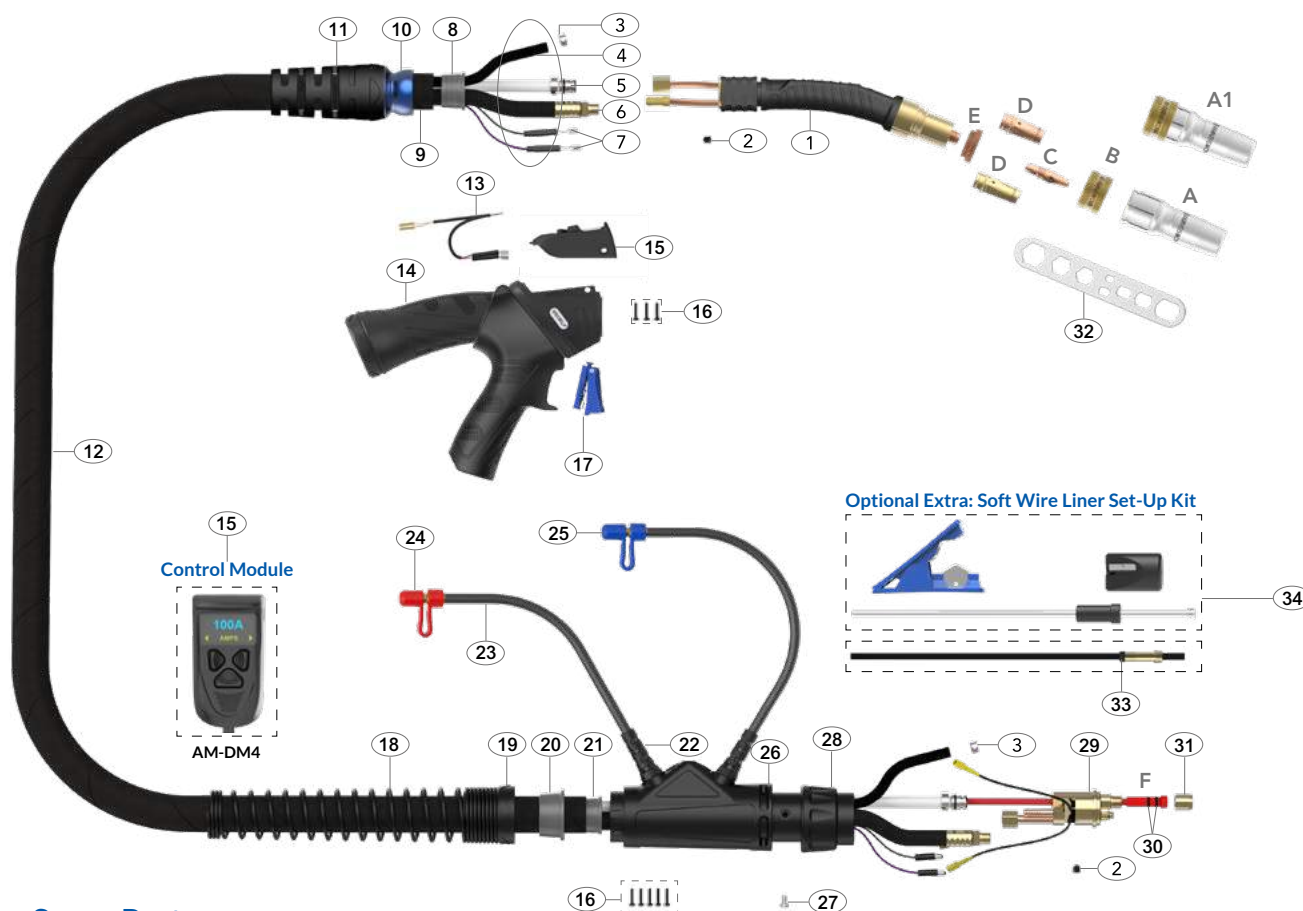
E Tip Adaptor Insulators

Part Number	Description
• AM55WTAI	Tip Adaptor Insulator

F Liners

Part Number	Description	Wire Size
• AM6SL-1012-30	Steel Liner x 3mt	1.0-1.2mm
• AM6SL-1012-40	Steel Liner x 4mt	1.0-1.2mm
• AM6SL-1012-50	Steel Liner x 5mt	1.0-1.2mm
AM6SL-16-30	Steel Liner x 3mt	1.6mm
AM6SL-16-40	Steel Liner x 4mt	1.6mm
AM6SL-16-50	Steel Liner x 5mt	1.6mm
AM6SL-20-30	Steel Liner x 3mt	2.0mm
AM6SL-20-40	Steel Liner x 4mt	2.0mm
AM6SL-20-50	Steel Liner x 5mt	2.0mm
AM6OSWL-1012-30	Soft Wire Liner x 3mt	1.0-1.2mm
AM6OSWL-1012-40	Soft Wire Liner x 4mt	1.0-1.2mm
AM6OSWL-1620-30	Soft Wire Liner x 3mt	1.6-2.0mm
AM6OSWL-1620-40	Soft Wire Liner x 4mt	1.6-2.0mm

For alternate liner options please refer to page 30-31



Spare Parts

Part Number	Description
1 AM6502P	M65WLP Swan Neck Assembly 22°
2 AM6X6	Outer Liner Retaining Screw
3 AM15400023	Water Hose Clamp 10mm
8 AMS8010	Canvas Cover Retainer
10 AM3208-1	Ball Joint
11 AMS3208-S	Cable Support With Nut
13 AMCV	Module Wiring Harness
14 AMP2515-KJ	Handle and Lock Nut Assembly
15 AM-DM4	Control Module Digital Display
16 AMSP1-1	Screw Pack
17 AM2516	Microswitch Standard Trigger
18 AM8027	Cable Support Spring
19 AM8028	Housing Lock Nut
20 AM8009	Canvas Cover Clamp
21 AM8010	Canvas Cover Retainer
22 AM1820	Hose Support
23 AM5017	Water Outlet Hose Assembly
24 AM80320	Red Cap Stopper
25 AM80310	Blue Cap Stopper
26 AM5022	Housing Assembly
27 AM1526	Gun Plug Screw (M4 x 0.7)
28 AM1519	Gun Plug Nut
29 AM5098	Water-Cooled Plug Body Assembly
30 AMLOR	Liner 'O' Ring

Part Number	Description
31 AM1826	Liner Retaining Nut
32 AMWS	Wear Parts Spanner
Optional Extra	
33 AMOSWLG	Soft Wire Liner Gasket
34 AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit

Cable Parts

Description	Part Number		
	3mt	4mt	5mt
4 Water Inlet Hose Assembly	AM5012-30	AM5012-40	AM5012-50
5 Outer Liner Assembly	AM6008-30	AM6008-40	AM6008-50
6 Power Cable Assembly	AM6015-30	AM6015-40	AM6015-50
7 Switch Lead Assembly	AM5010M-30	AM5010M-40	AM5010M-50
9 Canvas Cover Assembly	AM5019-30	AM5019-40	AM5019-50
12 Complete Cable Assembly	AM6006C-30	AM6006C-40	AM6006C-50

Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 31). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

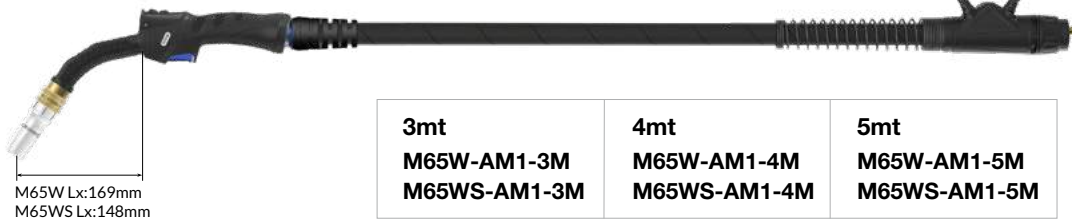
New M65W/M65WS Analogue Liquid-Cooled Mig Welding Torch

M65W/ M65WS Ratings:	580A CO ₂ , 560A mixed gas M21, 400A pulse @100% Max. Load 25KW with 1600W liquid cooler, 0.9mm-2.0mm wires
	550A CO ₂ , 520A mixed gas M21, 360A pulse @100% Max. Load 23KW with 1200W liquid cooler, 0.9mm-2.0mm wires

Ideal for high deposition and pulse applications with high reflected heat, with control of simple machine commands via analogue switches from the torch handle.
Fitted with a long neck as standard with an optional shorter version.

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M65W/WS Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



3mt M65W-AM1-3M M65WS-AM1-3M	4mt M65W-AM1-4M M65WS-AM1-4M	5mt M65W-AM1-5M M65WS-AM1-5M
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Wear Parts

Nozzles

Part Number	Description	Bore	Wall	Material
A • AMN55WCN	Conical / Insulator Assy	15mm	3.0mm	Copper
AMN55WTN	Tapered / Insulator Assy	13mm	3.0mm	Copper
AMN55WCYN	Cylindrical/Insulator Assy	17mm	3.0mm	Copper
A1 • AMN55WCN-C	Conical Nozzle c/w Insulator & Retaining Ring			
AMN55WTN-C	Tapered Nozzle c/w Insulator & Retaining Ring			
AMN55WCYN-C	Cylindrical Nozzle c/w Insulator & Retaining Ring			

B Nozzle Retaining Rings

Part Number	Description	Size	Material
• AMN6WCNR	Nozzle Retaining Ring-Pull Off	30.5mm	Brass

C Contact Tips

Part Number	Description	Size (mm)	Wire Size (mm-inch)	Material
Standard Series				
AM6WCT09	Contact Tip	M10*35.5	0.9 - 0.035"	CuCrZr
AM6WCT10	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
• AM6WCT12	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT14	Contact Tip	M10*35.5	1.4 - 0.055"	CuCrZr
AM6WCT16	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
A Series				
AM6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
AM6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT16A	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20A	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
AMC6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	Copper
AMC6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	Copper

• Denotes torch package standard wear part set-up

D Tip Adaptors

Part Number	Description	Material
• AM6OSWTAC-20	High Performance 2.0mm Recess	Copper
AM6OSWTAC-45	High Performance 4.5mm Recess	Copper
AM6OSWTAB-20	Tip Adaptor 2.0mm Recess	Brass
AM6OSWTAB-45	Tip Adaptor 4.5mm Recess	Brass

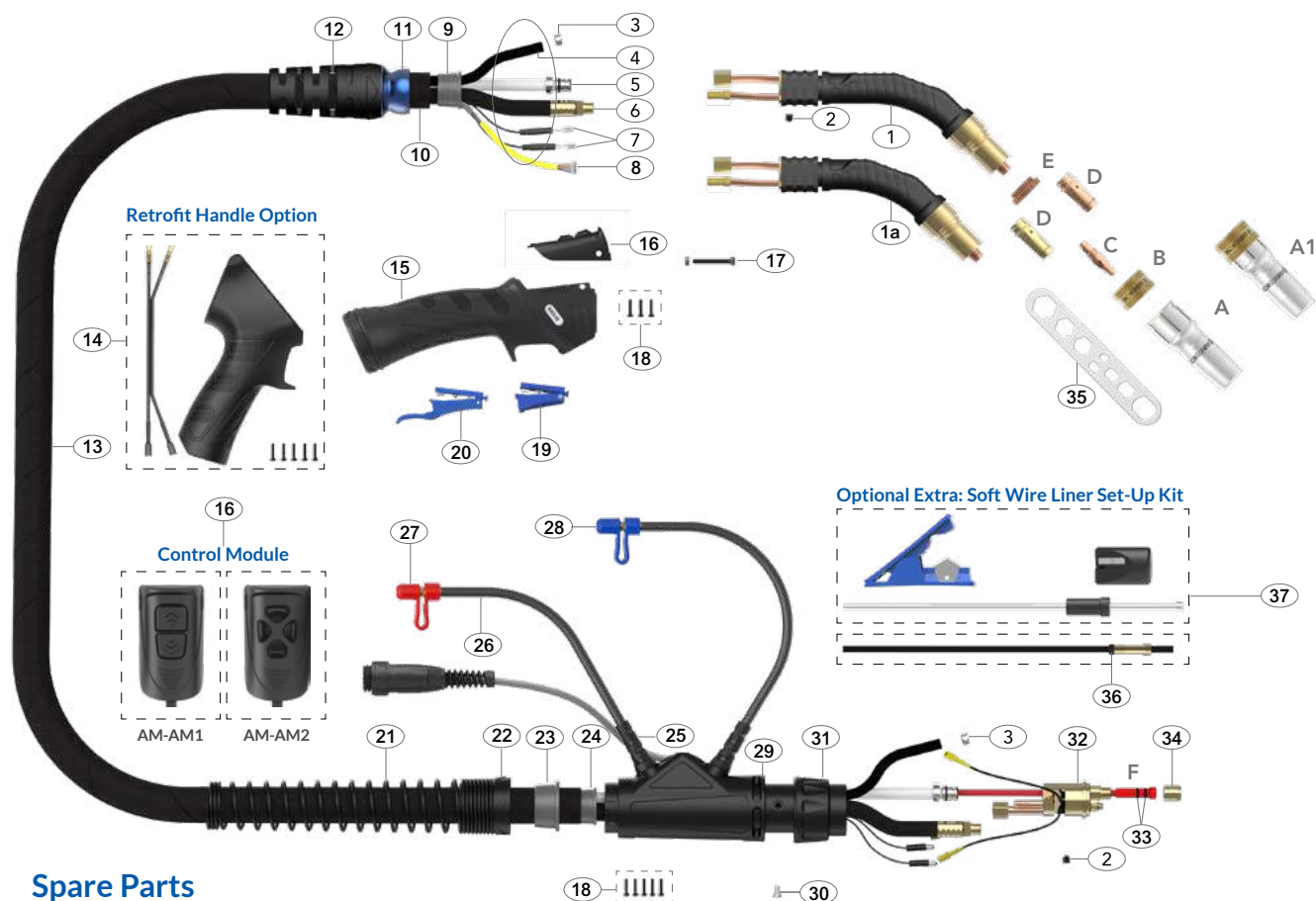
E Tip Adaptor Insulators

Part Number	Description
• AM55WTAI	Tip Adaptor Insulator

F Liners

Part Number	Description	Wire Size
• AM6SL-1012-30	Steel Liner x 3mt	1.0-1.2mm
• AM6SL-1012-40	Steel Liner x 4mt	1.0-1.2mm
• AM6SL-1012-50	Steel Liner x 5mt	1.0-1.2mm
AM6SL-16-30	Steel Liner x 3mt	1.6mm
AM6SL-16-40	Steel Liner x 4mt	1.6mm
AM6SL-16-50	Steel Liner x 5mt	1.6mm
AM6SL-20-30	Steel Liner x 3mt	2.0mm
AM6SL-20-40	Steel Liner x 4mt	2.0mm
AM6SL-20-50	Steel Liner x 5mt	2.0mm
AM6OSWL-1012-30	Soft Wire Liner x 3mt	1.0-1.2mm
AM6OSWL-1012-40	Soft Wire Liner x 4mt	1.0-1.2mm
AM6OSWL-1620-30	Soft Wire Liner x 3mt	1.6-2.0mm
AM6OSWL-1620-40	Soft Wire Liner x 4mt	1.6-2.0mm

For alternate liner options please refer to page 30-31



Spare Parts

Part Number	Description
1 AM6502	M65W Swan Neck Assembly 45°
1a AM6502S	M65WS Swan Neck Assembly 45°
2 AM6X6	Outer Liner Retaining Screw
3 AM15400023	Water Hose Clamp 10mm
9 AMS8010	Canvas Cover Retainer
11 AM3208-1	Ball Joint
12 AMS3208-S	Cable Support With Nut
15 AM2515	Handle and Lock Nut Assembly
16 AM-AM1	2 Way Control Module
AM-AM2	4 Way Control Module
17 AMDMNS	Screw and Nut
18 AMSP1-1	Screw Pack
19 AM2516	Microswitch Standard Trigger
20 AM2516L	Microswitch Extended Trigger
21 AM8027	Cable Support Spring
22 AM8028	Housing Lock Nut
23 AM8009	Canvas Cover Clamp
24 AM8010	Canvas Cover Retainer
25 AM1820	Hose Support
26 AM5017	Water Outlet Hose Assembly
27 AM80320	Red Cap Stopper
28 AM80310	Blue Cap Stopper
29 AM5022	Housing Assembly
30 AM1526	Gun Plug Screw (M4 x 0.7)
31 AM1519	Gun Plug Nut
32 AM5098	Water-Cooled Plug Body Assembly
33 AMLOR	Liner 'O' Ring

Part Number	Description
34 AM1826	Liner Retaining Nut
35 AMWS	Wear Parts Spanner
Optional Extra	
36 AMOSWLG	Soft Wire Liner Gasket
37 AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit

Retrofit Handle Option

Part Number	Description
14 AMP2515	Pistol Handle Assembly

Cable Parts

Description	Part Number		
	3mt	4mt	5mt
4 Water Inlet Hose Assembly	AM5012-30	AM5012-40	AM5012-50
5 Outer Liner Assembly	AM6008-30	AM6008-40	AM6008-50
6 Power Cable Assembly	AM6015-30	AM6015-40	AM6015-50
7 Switch Lead Assembly	AM5010-30	AM5010-40	AM5010-50
8 Control Lead Assembly	AM-MSWL3	AM-MSWL4	AM-MSWL5
10 Canvas Cover Assembly	AM5019-30	AM5019-40	AM5019-50
13 Complete Cable Assembly	AMM6006-30	AMM6006-40	AMM6006-50

Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 31). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

New M65WLP Analogue Liquid-Cooled Mig Welding Torch

M65WLP Ratings:	590A CO ₂ , 570A mixed gas M21, 420A pulse @100%
	Max. Load 26KW with 1600W liquid cooler, 0.9mm-2.0mm wires
	560A CO ₂ , 530A mixed gas M21, 380A pulse @100%
	Max. Load 24KW with 1200W liquid cooler, 0.9mm-2.0mm wires

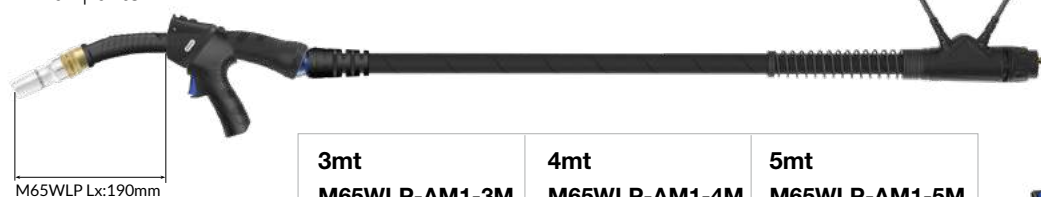
Ideal for high deposition and pulse applications with high reflected heat.

Suitable for larger wire sizes, the 22° neck is better for feeding both stiff and soft wires.

Control of simple machine commands is made via analogue switches from the torch handle.

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M65WLP Torches are supplied with a Euro termination as standard and is supplied with a pistol handle and 'ready to weld' with high performance M10 wear parts.



3mt	4mt	5mt
M65WLP-AM1-3M	M65WLP-AM1-4M	M65WLP-AM1-5M

*M65WLP supplied with high performance M10 wear parts.

Wear Parts

Nozzles

Part Number	Description	Bore	Wall	Material
A • AMN55WCN	Conical / Insulator Assy	15mm	3.0mm	Copper
AMN55WTN	Tapered / Insulator Assy	13mm	3.0mm	Copper
AMN55WCYN	Cylindrical/Insulator Assy	17mm	3.0mm	Copper
A1 • AMN55WCN-C	Conical Nozzle c/w Insulator & Retaining Ring			
AMN55WTN-C	Tapered Nozzle c/w Insulator & Retaining Ring			
AMN55WCYN-C	Cylindrical Nozzle c/w Insulator & Retaining Ring			

B Nozzle Retaining Rings

Part Number	Description	Size	Material
• AMN6WCNR	Nozzle Retaining Ring-Pull Off	30.5mm	Brass

C Contact Tips

Part Number	Description	Size (mm)	Wire Size (mm-inch)	Material
Standard Series				
AM6WCT09	Contact Tip	M10*35.5	0.9 - 0.035"	CuCrZr
AM6WCT10	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
• AM6WCT12	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT14	Contact Tip	M10*35.5	1.4 - 0.055"	CuCrZr
AM6WCT16	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
A Series				
AM6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	CuCrZr
AM6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	CuCrZr
AM6WCT16A	Contact Tip	M10*35.5	1.6 - 0.063"	CuCrZr
AM6WCT20A	Contact Tip	M10*35.5	2.0 - 0.080"	CuCrZr
AMC6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040"	Copper
AMC6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045"	Copper

• Denotes torch package standard wear part set-up

D Tip Adaptors

Part Number	Description	Material
• AM6OSWTAC-20	High Performance 2.0mm Recess	Copper
AM6OSWTAC-45	High Performance 4.5mm Recess	Copper
AM6OSWTAB-20	Tip Adaptor 2.0mm Recess	Brass
AM6OSWTAB-45	Tip Adaptor 4.5mm Recess	Brass

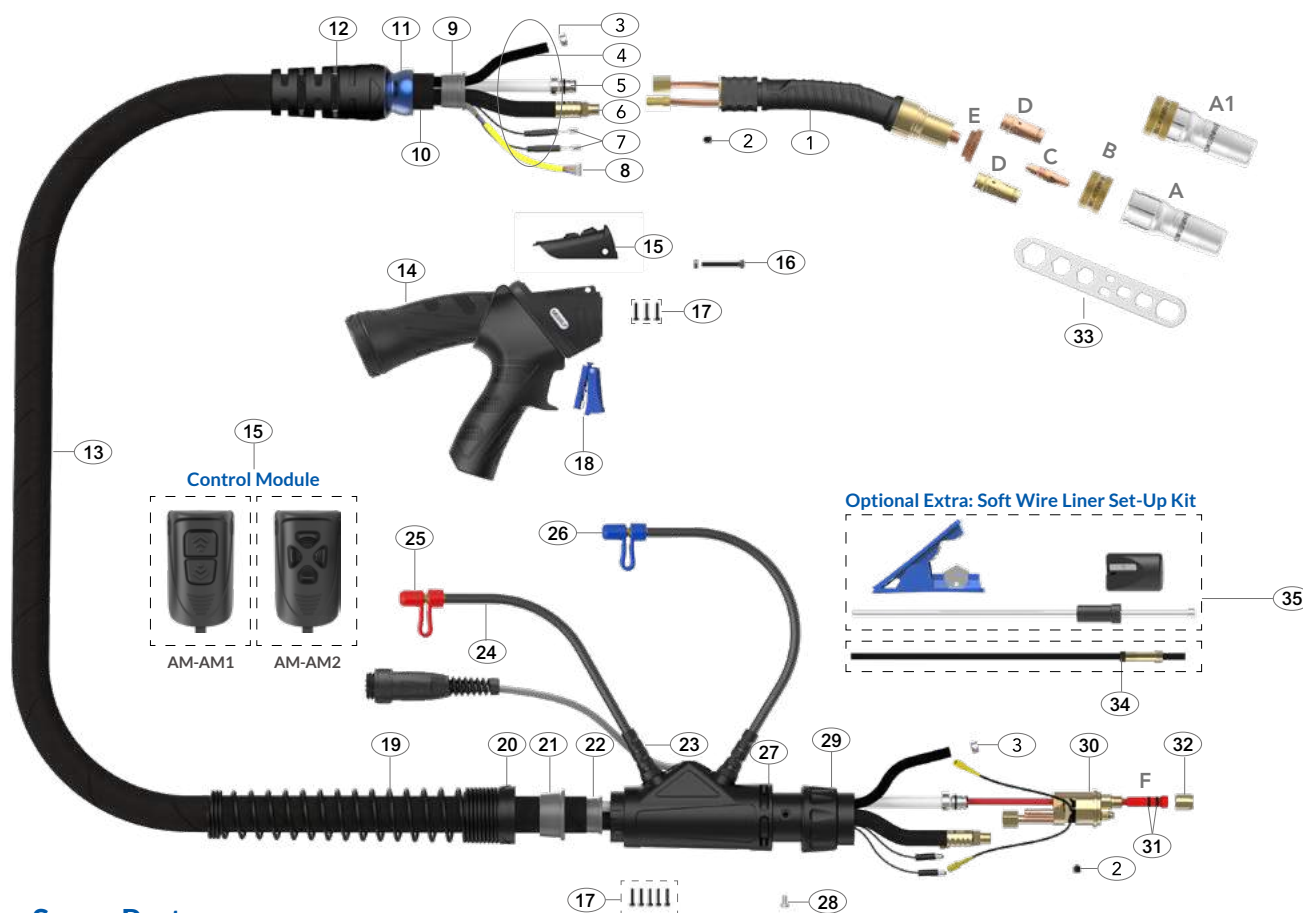
E Tip Adaptor Insulators

Part Number	Description
• AM55WTAI	Tip Adaptor Insulator

F Liners

Part Number	Description	Wire Size
• AM6SL-1012-30	Steel Liner x 3mt	1.0-1.2mm
• AM6SL-1012-40	Steel Liner x 4mt	1.0-1.2mm
• AM6SL-1012-50	Steel Liner x 5mt	1.0-1.2mm
AM6SL-16-30	Steel Liner x 3mt	1.6mm
AM6SL-16-40	Steel Liner x 4mt	1.6mm
AM6SL-16-50	Steel Liner x 5mt	1.6mm
AM6SL-20-30	Steel Liner x 3mt	2.0mm
AM6SL-20-40	Steel Liner x 4mt	2.0mm
AM6SL-20-50	Steel Liner x 5mt	2.0mm
AM6OSWL-1012-30	Soft Wire Liner x 3mt	1.0-1.2mm
AM6OSWL-1012-40	Soft Wire Liner x 4mt	1.0-1.2mm
AM6OSWL-1620-30	Soft Wire Liner x 3mt	1.6-2.0mm
AM6OSWL-1620-40	Soft Wire Liner x 4mt	1.6-2.0mm

For alternate liner options please refer to page 30-31



Spare Parts

Part Number	Description
1 AM6502P	M65WLP Swan Neck Assembly 22°
2 AM6X6	Outer Liner Retaining Screw
3 AM15400023	Water Hose Clamp 10mm
9 AMS8010	Canvas Cover Retainer
11 AM3208-1	Ball Joint
12 AMS3208-S	Cable Support With Nut
14 AMP2515-KJ	Handle and Lock Nut Assembly
15 AM-AM1	2 Way Control Module
AM-AM2	4 Way Control Module
16 AMDMNS	Screw and Nut
17 AMSP1-1	Screw Pack
18 AM2516	Microswitch Standard Trigger
19 AM8027	Cable Support Spring
20 AM8028	Housing Lock Nut
21 AM8009	Canvas Cover Clamp
22 AM8010	Canvas Cover Retainer
23 AM1820	Hose Support
24 AM5017	Water Outlet Hose Assembly
25 AM80320	Red Cap Stopper
26 AM80310	Blue Cap Stopper
27 AM5022	Housing Assembly
28 AM1526	Gun Plug Screw (M4 x 0.7)
29 AM1519	Gun Plug Nut
30 AM5098	Water-Cooled Plug Body Assembly
31 AMLOR	Liner 'O' Ring

Part Number	Description
32 AM1826	Liner Retaining Nut
33 AMWS	Wear Parts Spanner
Optional Extra	
34 AMOSWLG	Soft Wire Liner Gasket
35 AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit

Cable Parts

Description	Part Number		
	3mt	4mt	5mt
4 Water Inlet Hose Assembly	AM5012-30	AM5012-40	AM5012-50
5 Outer Liner Assembly	AM6008-30	AM6008-40	AM6008-50
6 Power Cable Assembly	AM6015-30	AM6015-40	AM6015-50
7 Switch Lead Assembly	AM5010-30	AM5010-40	AM5010-50
8 Control Lead Assembly	AM-MSWL3	AM-MSWL4	AM-MSWL5
10 Canvas Cover Assembly	AM5019-30	AM5019-40	AM5019-50
13 Complete Cable Assembly	AMM6006-30	AMM6006-40	AMM6006-50

Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 31). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

WEAR PARTS

High Performance Series



MAKE WORK
LIFE EASIER

Nozzles Separate



Part No.	Description	Bore	Wall	Material	M5W	M55W	M65W/WS	M65WLP
AMN5WCN	Conical / Insulator Assy	13.5mm	3.0mm	Copper	●	●	●	●
AMN5WTN	Tapered / Insulator Assy	11.5mm	3.0mm	Copper	●	●	●	●
AMN5WCYN	Cylindrical / Insulator Assy	16.0mm	3.0mm	Copper	●	●	●	●

AMN55WCN	Conical / Insulator Assy	15mm	3.0mm	Copper	●	●	●	●
AMN55WTN	Tapered / Insulator Assy	13mm	3.0mm	Copper	●	●	●	●
AMN55WCYN	Cylindrical / Insulator Assy	17mm	3.0mm	Copper	●	●	●	●

Nozzle Retaining Rings



Part No.	Description	Size	Material	M5W	M55W	M65W/WS	M65WLP
AMN5WCNR	Nozzle Retaining Ring	29.5mm	Brass	●	●	●	●

AMN6WCNR	Nozzle Retaining Ring	30.5mm	Brass	●	●	●	●
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● Standard wear part range ● Torch package standard wear part set-up

WEAR PARTS

High Performance Series

Nozzles Complete

M5W

M55W

M65W/WS

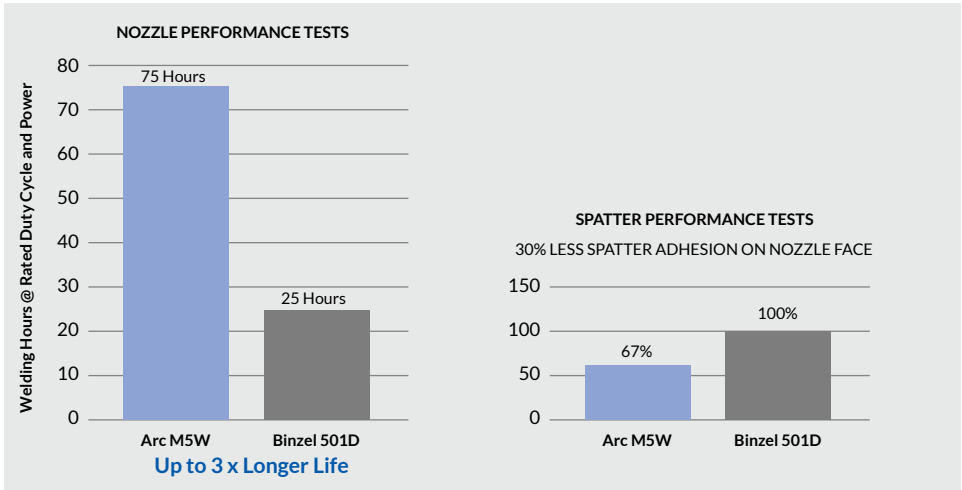
M65WLP



Part No.	Description	
AMN5WCN-C	Conical Nozzle c/w Insulator and Retaining Ring	
AMN5WTN-C	Tapered Nozzle c/w Insulator and Retaining Ring	
AMN5WCYN-C	Cylindrical Nozzle c/w Insulator and Retaining Ring	



AMN55WCN-C	Conical Nozzle c/w Insulator and Retaining Ring	
AMN55WTN-C	Tapered Nozzle c/w Insulator and Retaining Ring	
AMN55WCYN-C	Cylindrical Nozzle c/w Insulator and Retaining Ring	



Standard wear part range

Torch package standard wear part set-up

The design, manufacturing and quality systems of Arc Torchology are certified by **BVQI** in accordance with EN/ISO 9001:2015

WEAR PARTS

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Contact Tips

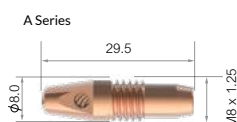
M5W
M55W
M65W/M65WS
M65WLP



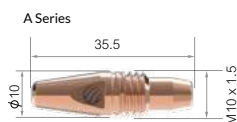
Part No.	Description	Size mm	Wire Size mm-inch	Material	Wire Type	
Standard Series - Recommended for Fe, Fe-MC/FC Set-up						
AM5CT09	Contact Tip	M8*29.5	0.9-0.035	CuCrZr	Fe, Fe-FC/MC SS,SS-FC/MC upto 1.2mm	● ● ● ●
AM5CT10	Contact Tip	M8*29.5	1.0-0.040	CuCrZr		● ● ● ●
AM5CT12	Contact Tip	M8*29.5	1.2-0.045	CuCrZr		● ● ● ●
AM5CT14	Contact Tip	M8*29.5	1.4-0.055	CuCrZr		● ● ● ●
AM5CT16	Contact Tip	M8*29.5	1.6-0.063	CuCrZr		● ● ● ●



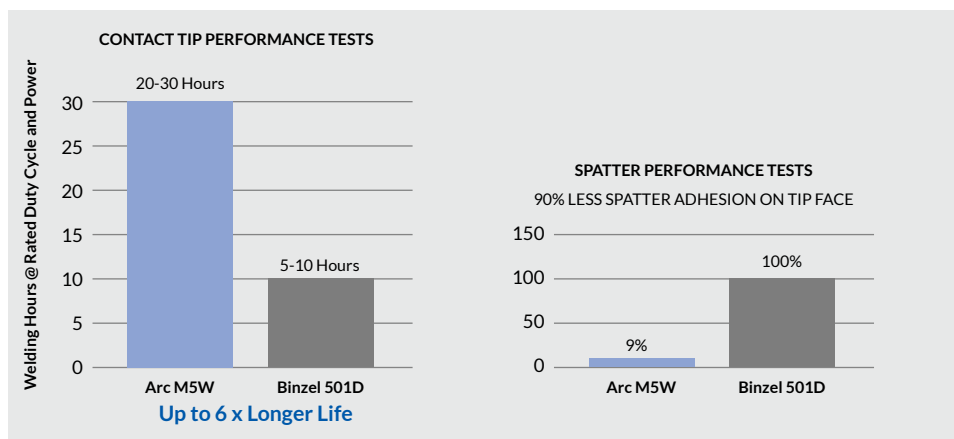
Standard Series - Recommended for Fe, Fe-MC/FC Set-up						
AM6WCT09	Contact Tip	M10*35.5	0.9-0.035	CuCrZr	Fe, Fe-FC/MC SS,SS-FC/MC upto 1.2mm	● ● ● ●
AM6WCT10	Contact Tip	M10*35.5	1.0-0.040	CuCrZr		● ● ● ●
AM6WCT12	Contact Tip	M10*35.5	1.2-0.045	CuCrZr		● ● ● ●
AM6WCT14	Contact Tip	M10*35.5	1.4-0.055	CuCrZr		● ● ● ●
AM6WCT16	Contact Tip	M10*35.5	1.6-0.063	CuCrZr		● ● ● ●
AM6WCT20	Contact Tip	M10*35.5	2.0-0.080	CuCrZr		● ● ● ●



A Series - Recommended for Aluminium and SS Set-up						
AM5CT10A	Contact Tip	M8*29.5	1.0-0.040	CuCrZr	Aluminium SS, SS-FC/MC upto 1.6mm	● ● ● ●
AM5CT12A	Contact Tip	M8*29.5	1.2-0.045	CuCrZr		● ● ● ●
AM5CT16A	Contact Tip	M8*29.5	1.6-0.063	CuCrZr		● ● ● ●
AM2CT10A	Contact Tip	M8*29.5	1.0-0.040	Copper		● ● ● ●
AM2CT12A	Contact Tip	M8*29.5	1.2-0.045	Copper		● ● ● ●



A Series - Recommended for Aluminium and SS Set-up						
AM6WCT10A	Contact Tip	M10*35.5	1.0-0.040	CuCrZr	Aluminium SS, SS-FC/MC 1.6mm	● ● ● ●
AM6WCT12A	Contact Tip	M10*35.5	1.2-0.045	CuCrZr		● ● ● ●
AM6WCT16A	Contact Tip	M10*35.5	1.6-0.063	CuCrZr		● ● ● ●
AM6WCT20A	Contact Tip	M10*35.5	2.0-0.080	CuCrZr		● ● ● ●
AMC6WCT10A	Contact Tip	M10*35.5	1.0-0.040	Copper		● ● ● ●
AMC6WCT12A	Contact Tip	M10*35.5	1.2-0.045	Copper		● ● ● ●

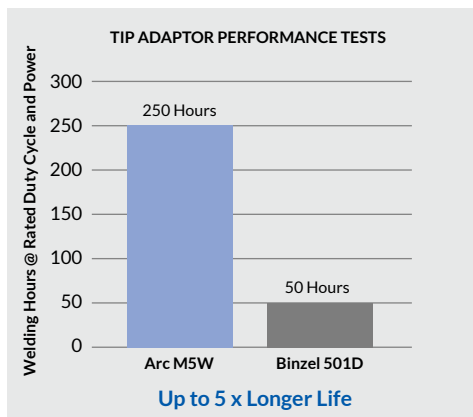


● Standard wear part range ● Torch package standard wear part set-up

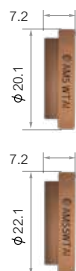
Tip Adaptors



Part No.	Description	Length	Material	Transfer	Amps / Pulse	M5W	M55W	M65W/M65WS	M65WLP
Recommended for high amperages, high duty and pulse welding. Tips run cooler									
AM5WTAC-20	High Performance 2.0mm Recess	34.5mm	Copper	Short Circuit	<200A Low Current Pulse	●	●	●	●
AM5WTAC-45	High Performance 4.5mm Recess	32mm	Copper	Spray	>200A High Current Pulse	●	●	●	●
AM5WTAB-20	Tip Adaptor 2.0mm Recess	34.5mm	Brass	Short Circuit	<200A Low Current Pulse	●	●	●	●
AM5WTAB-45	Tip Adaptor 4.5mm Recess	32mm	Brass	Spray	>200A High Current Pulse	●	●	●	●
Recommended for high amperages, high duty and pulse welding. Tips run cooler									
AM6OSWTAC-20	High Performance 2.0mm Recess	36.0mm	Copper	Short Circuit	<200A Low Current Pulse	●	●	●	●
AM6OSWTAC-45	High Performance 4.5mm Recess	33.5mm	Copper	Spray	>200A High Current Pulse	●	●	●	●
AM6OSWTAB-20	Tip Adaptor 2.0mm Recess	36.0mm	Brass	Short Circuit	<200A Low Current Pulse	●	●	●	●
AM6OSWTAB-45	Tip Adaptor 4.5mm Recess	33.5mm	Brass	Spray	>200A High Current Pulse	●	●	●	●



Tip Adaptor Insulators



Part No.	Description	M5W	M55W	M65W/M65WS	M65WLP
AM5WTAI	Tip Adaptor Insulator	●	●	●	●
AM55WTAI	Tip Adaptor Insulator	●	●	●	●

● Standard wear part range ● Torch package standard wear part set-up

WEAR PARTS

High Performance Series



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Liners

Filler Metal

Steel Liner Recommended for: Fe, Fe-MC/FC. Light and medium duty applications

Part No.	Description	Contact Tip	Wire Size mm	M5W M55W M65W/M65WS M65WLP
AM6SL-1012-30	Steel Liner x 3mt	Standard Series	1.0-1.2	● ● ● ●
AM6SL-1012-40	Steel Liner x 4mt	Standard Series	1.0-1.2	● ● ● ●
AM6SL-1012-50	Steel Liner x 5mt	Standard Series	1.0-1.2	● ● ● ●



AM6SL-16-30	Steel Liner x 3mt	Standard Series	1.6	● ● ● ●
AM6SL-16-40	Steel Liner x 4mt	Standard Series	1.6	● ● ● ●
AM6SL-16-50	Steel Liner x 5mt	Standard Series	1.6	● ● ● ●



AM6SL-20-30	Steel Liner x 3mt	Standard Series	2.0	● ● ● ●
AM6SL-20-40	Steel Liner x 4mt	Standard Series	2.0	● ● ● ●
AM6SL-20-50	Steel Liner x 5mt	Standard Series	2.0	● ● ● ●



Filler Metal

Stainless Steel Liner Recommended for: SS, SS-MC/FC. Heavy Duty Fe. High amperages and heavy deposition welding

Part No.	Description	Contact Tip	Wire Size mm	M5W M55W M65W/M65WS M65WLP
AM6SSTL-1012-30	Stainless Steel Liner x 3mt	Standard Series	1.0-1.2	● ● ● ●
AM6SSTL-1012-40	Stainless Steel Liner x 4mt	Standard Series	1.0-1.2	● ● ● ●
AM6SSTL-1012-50	Stainless Steel Liner x 5mt	Standard Series	1.0-1.2	● ● ● ●



AM6SSTL-16-30	Stainless Steel Liner x 3mt	A Series	1.6	● ● ● ●
AM6SSTL-16-40	Stainless Steel Liner x 4mt	A Series	1.6	● ● ● ●
AM6SSTL-16-50	Stainless Steel Liner x 5mt	A Series	1.6	● ● ● ●



● Standard wear part range ● Torch package standard wear part set-up

Liners

Filler Metal

Al - Combi Liner Recommended for: Liquid-cooled torches with AlMg and frequent /repetitive arc starts

Part No.	Description	Contact Tip	Wire Size mm	M5W	M55W	M65W/M65WS	M65WLP
AM6CL-1012-30	Combi-Liner x 3mt	A Series	1.0-1.2	●	●	●	●
AM6CL-1012-40	Combi-Liner x 4mt	A Series	1.0-1.2	●	●	●	●
AM6CL-1012-50	Combi-Liner x 5mt	A Series	1.0-1.2	●	●	●	●



AM6CL-1620-30	Combi-Liner x 3mt	A Series	1.6	●	●	●	●
AM6CL-1620-40	Combi-Liner x 4mt	A Series	1.6	●	●	●	●
AM6CL-1620-50	Combi-Liner x 5mt	A Series	1.6	●	●	●	●



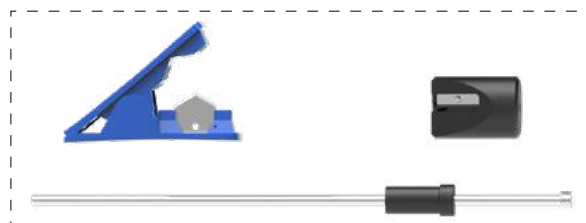
Filler Metal

Al - Soft Wire Liner Recommended for: Liquid-cooled torches with AlMg, AlSi, Pure Al and copper wires

Part No.	Description	Contact Tip	Wire Size mm	M5W	M55W	M65W/M65WS	M65WLP
AM6OSWL-1012-30	Soft Wire Liner x 3mt	A Series	1.0-1.2	●	●	●	●
AM6OSWL-1012-40	Soft Wire Liner x 4mt	A Series	1.0-1.2	●	●	●	●
AM6OSWL-1620-30	Soft Wire Liner x 3mt	A Series	1.6-2.0	●	●	●	●
AM6OSWL-1620-40	Soft Wire Liner x 4mt	A Series	1.6-2.0	●	●	●	●



AMOSW_LINER-T	Soft Wire / Combi-Liner Set-up Kit			●	●	●	●
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● Standard wear part range ● Torch package standard wear part set-up

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