



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.

FEATURING NEW TECHNOLOGIES



find out more arctorchology.com

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AIR-COOLED

Arc M Machine Control Series



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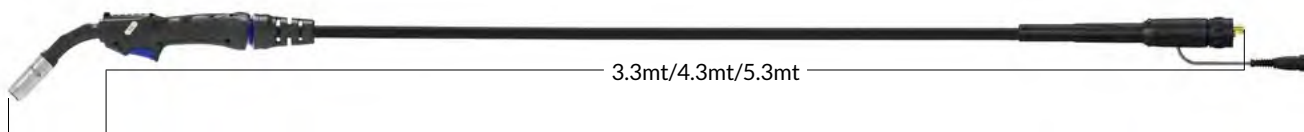
New

M2 - Analogue IEC/EN 60974-7

Cooling Method	Air-Cooled	
Rating:	CO ₂	230A
	Mixed Gas M21	200A
	Pulse	110A
Duty Cycle	60%	
Wire Size	0.8-1.2mm	

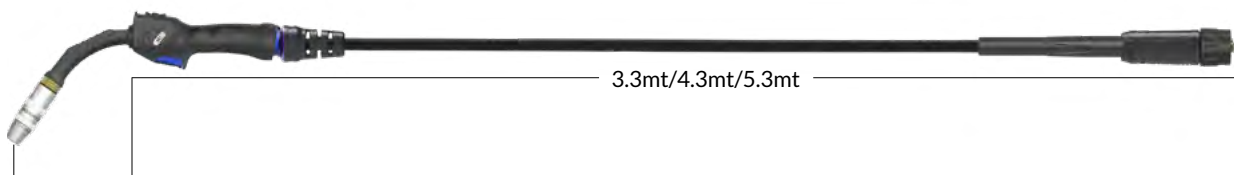


M2 Video



M3 - Digital / Digital Display IEC/EN 60974-7

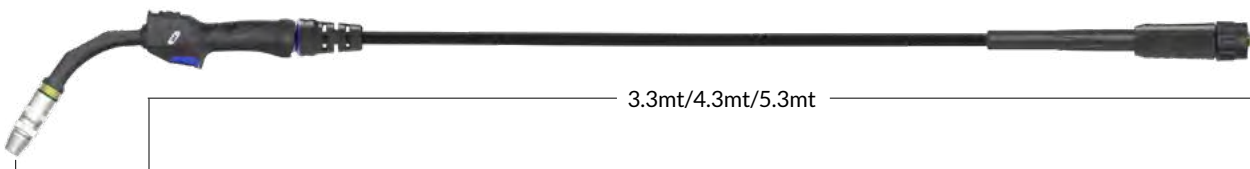
Cooling Method	Air-Cooled	Max. Load	
Rating:	CO ₂	300A	10.5KW
	Mixed Gas M21	270A	8.9KW
	Duty Cycle	60%	
Wire Size	0.9-1.2mm		



New

M4 - Digital / Digital Display / Analogue IEC/EN 60974-7

Cooling Method	Air-Cooled	Max. Load	
Rating:	CO ₂	350A	14.1KW
	Mixed Gas M21	320A	11.4KW
	Duty Cycle	60%	
Wire Size	0.9-1.2mm		



AIR-COOLED

Arc M Machine Control Series



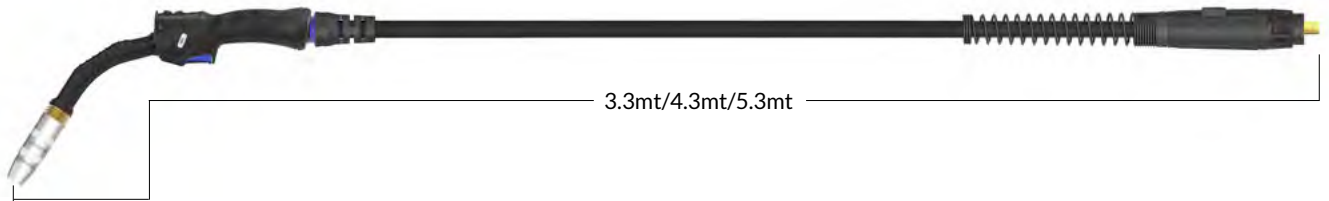
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M5 - Digital / Digital Display IEC/EN 60974-7

Cooling Method	Air-Cooled	Max. Load
CO ₂	390A	14.6KW
Rating: Mixed Gas M21	360A	12.2KW
Duty Cycle	60%	
Wire Size	0.9-1.6mm	

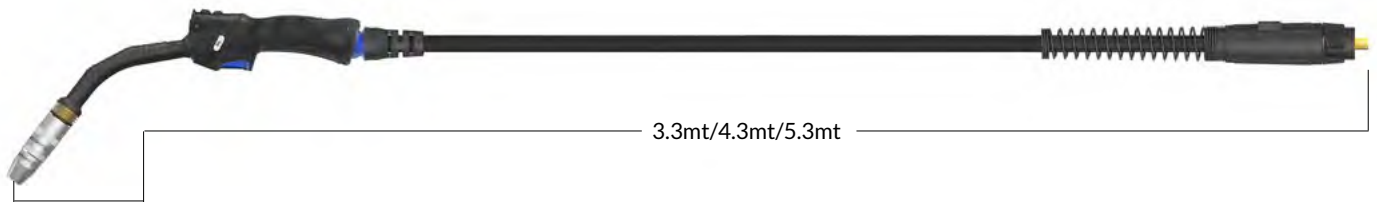


M5 Video



M6 - Digital / Digital Display IEC/EN 60974-7

Cooling Method	Air-Cooled	Max. Load
CO ₂	430A	17.6KW
Rating: Mixed Gas M21	400A	14.8KW
Duty Cycle	60%	
Wire Size	0.9-2.0mm	



LIQUID-COOLED

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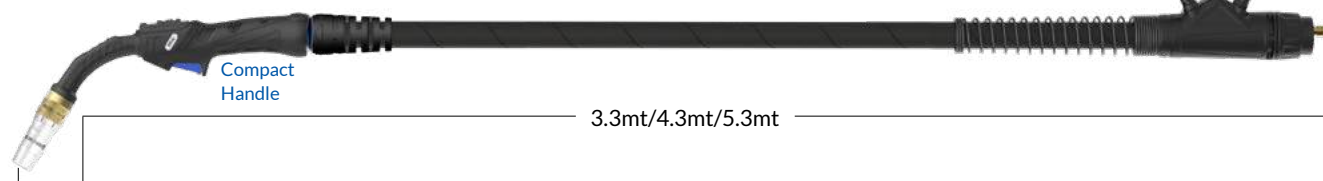
New

M5W - Digital / Digital Display / Analogue IEC/EN 60974-7

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			



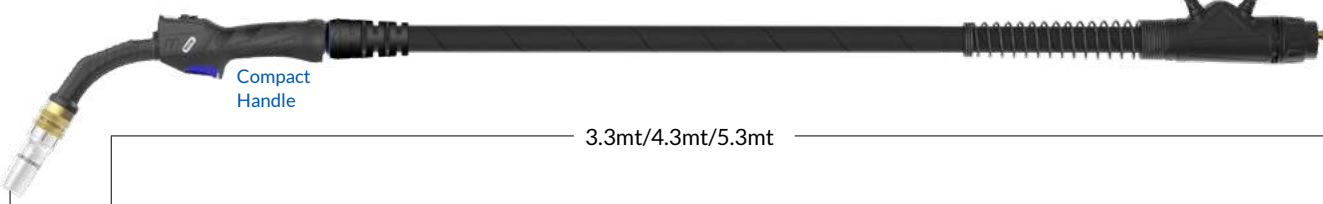
M5W Video



M55W - Digital / Digital Display / Analogue IEC/EN 60974-7

New

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

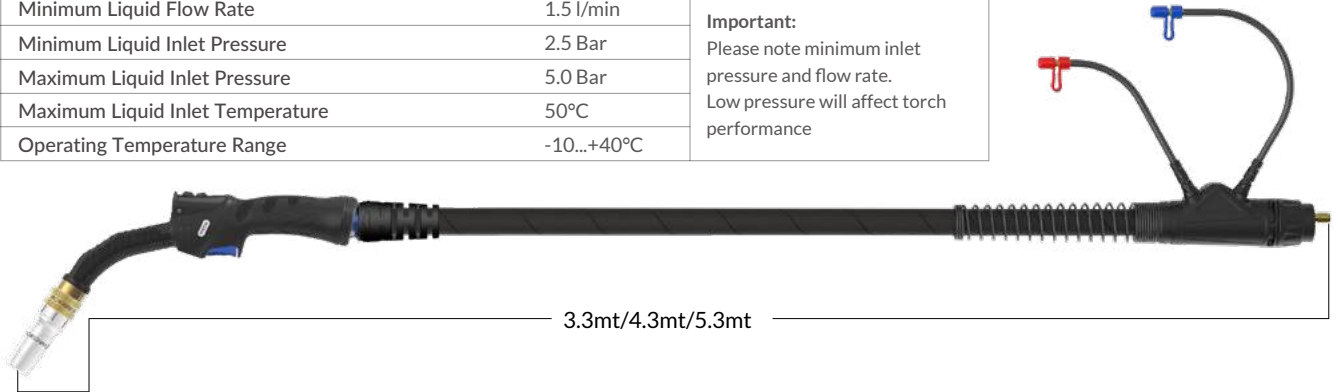
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M65W/M65WS - Digital / Digital Display / Analogue IEC/EN 60974-7

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

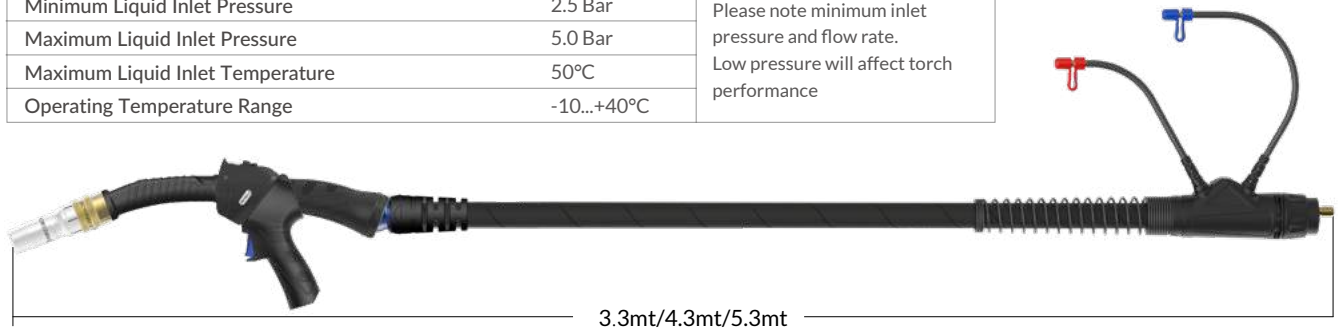
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M65WLP - Digital / Digital Display / Analogue IEC/EN 60974-7

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			



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.

Function:
Job Mode
Up/Down Control

Wiring Method LM1

Compact Control Module AMM-LM1 **Control Module AM-LM1**

SW1: Handle Trigger SW2: Front Button Switch
SW3: Rear Button Switch R1: 6.8K
R2: 560 R3: 3.3K

Function:
Job Mode
Up/Down Control x 2

Wiring Method LM2

Compact Control Module AMM-LM2 **Control Module AM-LM2**

SW1: Handle Trigger SW2: Front Button Switch
SW3: Rear Button Switch SW4: Left Button Switch
SW5: Right Button Switch R1: 6.8K
R2: 560 R3: 3.3K
R4: 1.2K R5: 220

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.

Compact Control Module AMM-DM4 **Control Module AM-DM4**

Function:
Job Mode / Parameter Display,
Up Down Mouse Control

Wiring Method available on request please contact info@arctorchology.com

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 way control module.

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

Function:
Job Mode
Up/Down Control

Wiring Method AM1

Compact Control Module AMM-AM1 **Control Module AM-AM1**

Function:
Job Mode
Up/Down Control x 2

Wiring Method AM2

Compact Control Module AMM-AM2 **Control Module AM-AM2**

M3 Digital Air-Cooled Mig Welding Torch

Ratings:	300A CO ₂ , 270A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.9mm-1.2mm wires
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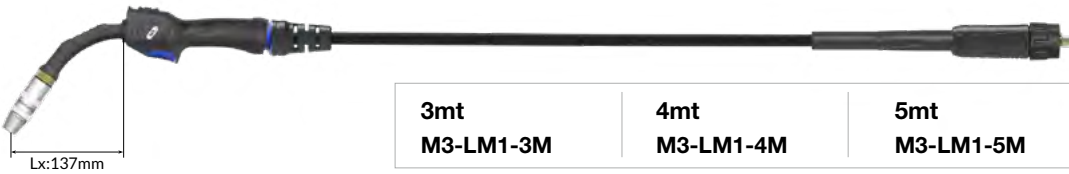
The Arc M3 is a true 300 Amp Torch which outperforms all Binzel® MB36 derivatives and is ideal for 1.2mm production work.

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

M3 Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



Wear Parts

Nozzles - 2 Piece

Part Number	Description	Bore	Wall	Material
A AM3HDTN	Tapered Nozzle (Part 2)	12mm	3mm	Copper
•AM3HDCN	Conica Nozzle (Part 2)	14mm	3mm	Copper
AM3HDCYN	Cylindrical Nozzle (Part 2)	19mm	3mm	Copper
A1•AM3HDNI	Nozzle Insulator(Part 1)			Copper

Nozzles - Single Piece

A2 AM3TN	Tapered Nozzle / Insulator Assy	12mm	2.25mm	Copper
AM3CN	Conical Nozzle / Insulator Assy	14mm	2.25mm	Copper
AM3CYN	Cylindrical Nozzle / Insulator Assy	19mm	2.25mm	Copper

B 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
A Series				
AM5CT10A	Contact Tip	M8*29.5	1.0-0.040	CuCrZr
AM5CT12A	Contact Tip	M8*29.5	1.2-0.045	CuCrZr
AM2CT10A	Contact Tip	M8*29.5	1.0-0.040	Copper
AM2CT12A	Contact Tip	M8*29.5	1.2-0.045	Copper

C Tip Adaptors

Part Number	Description	Material
•AM3TAB	Tip Adaptor	Brass
AM3TAC	Tip Adaptor High Performance	CuCrZr

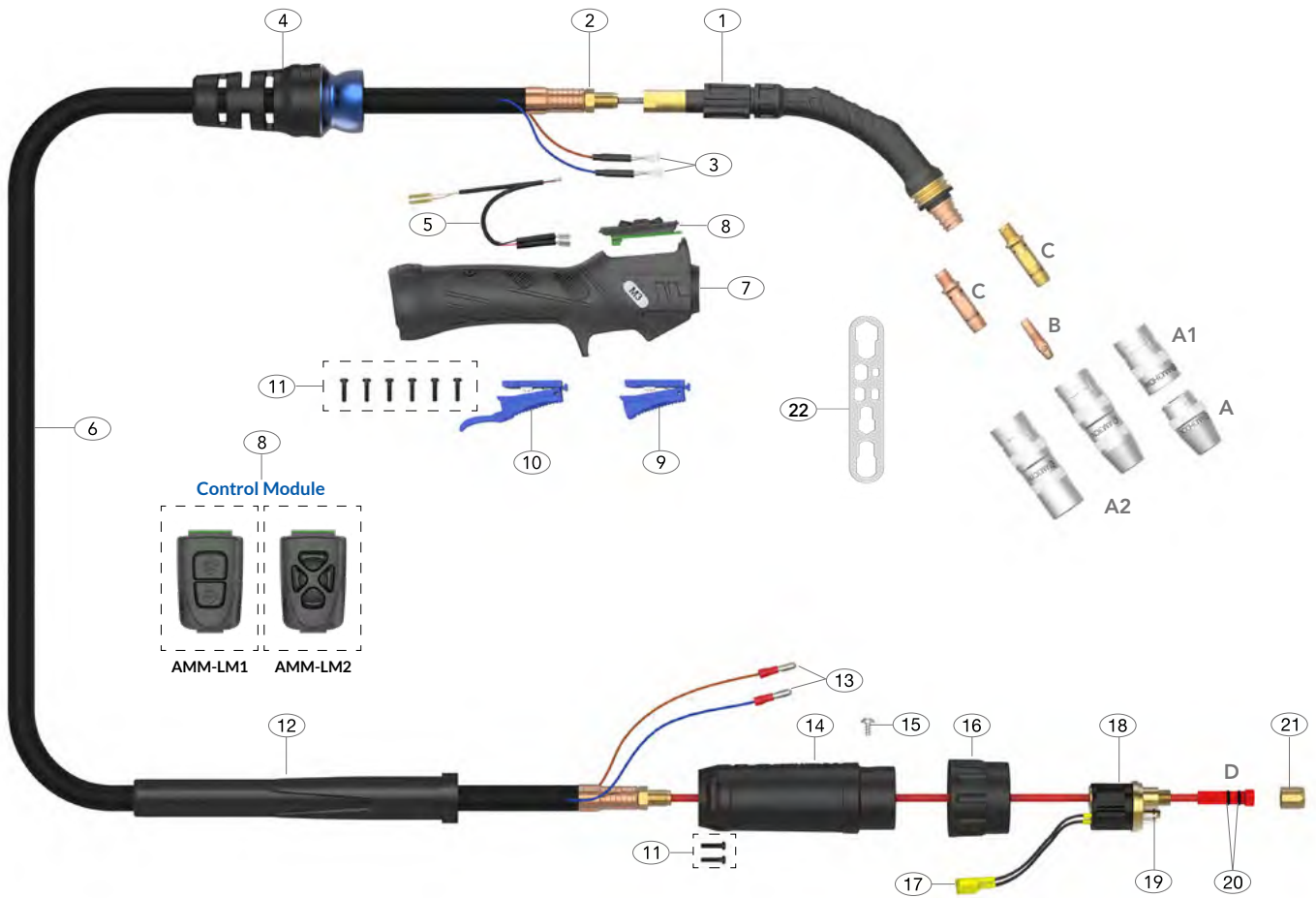
D Liners

Part Number	Description	Wire Size
•AM2524-30	Steel Liner x 3mt	1.0-1.2mm
•AM2524-40	Steel Liner x 4mt	1.0-1.2mm
•AM2524-50	Steel Liner x 5mt	1.0-1.2mm
AM1535-30	Steel Liner x 3mt	0.6-0.9mm
AM1535-40	Steel Liner x 4mt	0.6-0.9mm
AM1535-50	Steel Liner x 5mt	0.6-0.9mm

•Denotes torch package standard wear part set-up

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Perfect for extreme subzero working conditions

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Spare Parts

Part Number	Description
1 AM3001	Swan Neck Assembly
2 AM1505	Lock Nut
3 AM1521	Cable Terminal
4 AM1514	Handle Cable Support c/w Ball Joint
5 AMCWS	Module Wiring Harness
6 AM3003CW-30	Power Cable Assembly x 3mt
AM3003CW-40	Power Cable Assembly x 4mt
AM3003CW-50	Power Cable Assembly x 5mt
7 AMM2514	Handle Kit
8 AMM-LM1	2 Way Compact Control Module
AMM-LM2	4 Way Compact Control Module
9 AM2516	Microswitch Standard Trigger
10 AM2516L	Microswitch Extended Trigger
11 AMSP1-1	Screw Pack
12 AMPA3541	Cable Support
13 AM1522	Cable Terminal Male
14 AM2578/L	Gun Plug Housing
15 AML1541	Gun Plug Screw
16 AMC1519	Gun Plug Nut
17 AM1523	Gun Plug Terminal Female

Part Number	Description
18 AM1528	Hybrid Gun Plug Body c/w Spring Pins
19 AM1524	Gun Plug 'O' Ring
20 AMLOR	Liner 'O' Ring
21 AM1826	Liner Retaining Nut
22 AMWS	Wear Parts Spanner

Welding with Soft Wires

For welding with Aluminum wires use a Combi-Liner (page 63). Optimum installation is achieved when using the Combi-Liner set-up kit.

Optional Extra

AMCLST-KITS	Combi-Liner Set-up kit (See Page 64)
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M4 Digital Air-Cooled Mig Welding Torch

Ratings:	350A CO ₂ , 320A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.9mm-1.2mm wires
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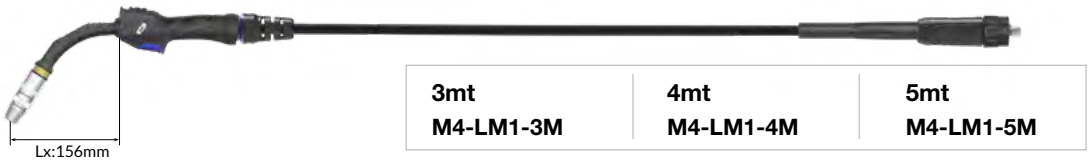
The Arc M4 performance is superior to the Binzel® MB36 and delivers more power than an MB38.

An all-day production torch in solid wire and pulse Mig applications over 300 Amps. 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

M4 Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



Wear Parts

Nozzles - 2 Piece

Part Number	Description	Bore	Wall	Material
A AM4HDTN	Tapered Nozzle (Part 2)	13mm	3mm	Copper
•AM4HDCN	Conica Nozzle (Part 2)	15mm	3mm	Copper
AM4HDCYN	Cylindrical Nozzle (Part 2)	21mm	3mm	Copper
A1•AM4HDNI	Nozzle Insulator(Part 1)			Copper

Nozzles - Single Piece

Part Number	Description	Bore	Wall	Material
A2 AM4TN	Tapered Nozzle / Insulator Assy	13mm	2.25mm	Copper
AM4CN	Conical Nozzle / Insulator Assy	15mm	2.25mm	Copper
AM4CYN	Cylindrical Nozzle / Insulator Assy	21mm	2.25mm	Copper

B 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
A Series				
AM6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040	CuCrZr
AM6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045	CuCrZr
AMC6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040	Copper
AMC6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045	Copper

C Tip Adaptors

Part Number	Description	Material
•AM4TAB	Tip Adaptor	Brass
AM4TAC	Tip Adaptor High Performance	CuCrZr

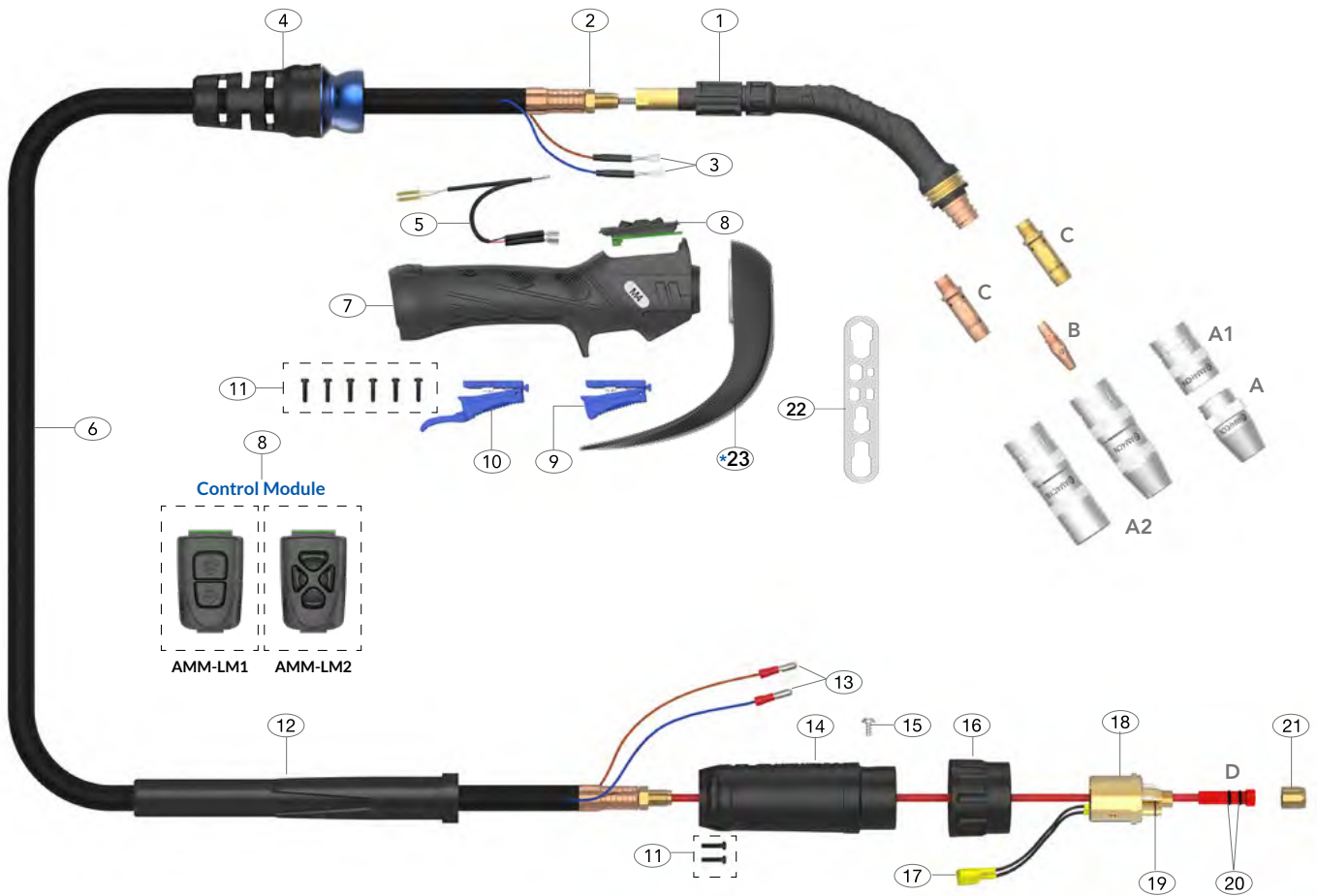
D Liners

Part Number	Description	Wire Size
•AM2524-30	Steel Liner x 3mt	1.0-1.2mm
•AM2524-40	Steel Liner x 4mt	1.0-1.2mm
•AM2524-50	Steel Liner x 5mt	1.0-1.2mm
AM1535-30	Steel Liner x 3mt	0.6-0.9mm
AM1535-40	Steel Liner x 4mt	0.6-0.9mm
AM1535-50	Steel Liner x 5mt	0.6-0.9mm

•Denotes torch package standard wear part set-up

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Spare Parts

Part Number	Description
1 AM4001	Swan Neck Assembly
2 AM1505	Lock Nut
3 AM1521	Cable Terminal
4 AM1514	Handle Cable Support c/w Ball Joint
5 AMCWS	Module Wiring Harness
6 AM4003CW-30	Power Cable Assembly x 3mt
AM4003CW-40	Power Cable Assembly x 4mt
AM4003CW-50	Power Cable Assembly x 5mt
7 AMM2514	Handle Kit
8 AMM-LM1	2 Way Compact Control Module
AMM-LM2	4 Way Compact Control Module
9 AM2516	Microswitch Standard Trigger
10 AM2516L	Microswitch Extended Trigger
11 AMSP1-1	Screw Pack
12 AMPA3541	Cable Support
13 AM1522	Cable Terminal Male
14 AM2578/L	Gun Plug Housing
15 AM1526	Gun Plug Screw
16 AMC1519	Gun Plug Nut
17 AM1523	Gun Plug Terminal Female

Part Number	Description
18 AMB1528S	Hybrid Gun Plug Body c/w Spring Pins
19 AM1524	Gun Plug 'O' Ring
20 AMLOR	Liner 'O' Ring
21 AM1826	Liner Retaining Nut
22 AMWS	Wear Parts Spanner

Retrofit Option (Not Fitted as Standard)

*23 AM4001HS-KIT	Heat Shield Kit For Standard Handle
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Welding with Soft Wires

For welding with Aluminum wires use a Combi-Liner (page 63). Optimum installation is achieved when using the Combi-Liner set-up kit.

Optional Extra

AMCLST-KITS	Combi-Liner Set-up kit (See Page 64)
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M5 Digital Air-Cooled Mig Welding Torch

Ratings:	390A CO ₂ , 360A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.9mm-1.6mm wires
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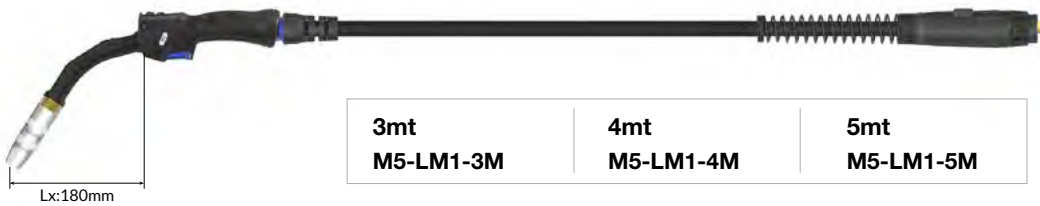
Constructed for power, performance, and longevity the M5 is ideal for heavy duty 1.2mm and 1.6mm high deposition and pulse applications.

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

M5 Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



Wear Parts

Nozzle - 2 Piece

Part Number	Description	Bore	Wall	Material
A AM5HDTN	Tapered Nozzle- (Part 2)	13mm	3.5mm	Copper
•AM5HDCN	Conical Nozzle - (Part 2)	15mm	3.5mm	Copper
AM5HDCYN	Cylindrical Nozzle - (Part 2)	21mm	3.5mm	Copper
A1•AM5HDNI	Nozzle Insulator- (Part 1)			Copper

Nozzle - Single Piece

A2 AM5TN	Tapered Nozzle / Insulator Assy	13mm	2.5mm	Copper
AM5CN	Conical Nozzle / Insulator Assy	15mm	2.5mm	Copper
AM5CYN	Cylindrical Nozzle / Insulator Assy	21mm	2.5mm	Copper

B 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
AMC6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040	Copper
AMC6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045	Copper

C Tip Adaptors

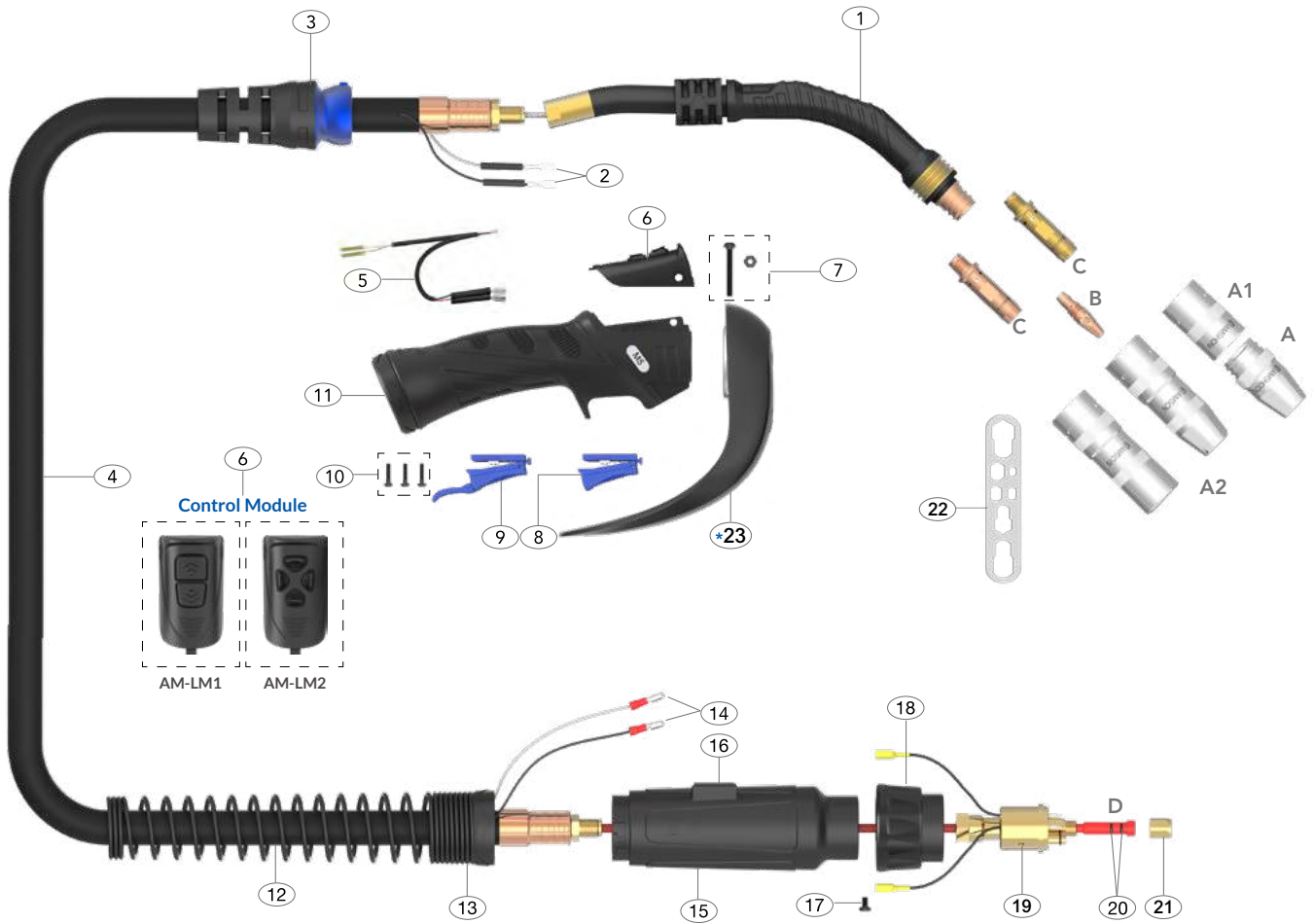
Part Number	Description	Material
AM5TAC	Tip Adaptor High Performance	CuCrZr
•AM5TAB	Tip Adaptor	Brass

D 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

• Denotes torch package standard wear part set-up

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Spare Parts

Part Number	Description
1 AM5001	Swan Neck Assembly
2 AM1521	Cable Terminal
3 AMS8017	Handle Cable Support c/w Ball Joint
4 AM5003CW-30	Power Cable Assembly x 3mt
AM5003CW-40	Power Cable Assembly x 4mt
AM5003CW-50	Power Cable Assembly x 5mt
5 AMCW	Module Wiring Harness
6 AM-LM1	2 Way Control Module
AM-LM2	4 Way Control Module
7 AMDMNS	Screw and Nut
8 AM2516	Microswitch Standard Trigger
9 AM2516L	Microswitch Extended Trigger
10 AMSP1-1	Screw Pack
11 AM2515	Handle and Lock Nut Assembly
12 AM8026	Housing Spring
13 AM8028	Housing Lock Nut
14 AM1522	Cable Terminal Male

Part Number	Description
15 AMT5022	Gun Plug Housing
16 AMF8017	Large Housing Flat Cover Block
17 AM1526	Gun Plug Screw
18 AM1519	Gun Plug Nut
19 AMB1528	Gun Plug Body
20 AMLOR	Liner 'O' Ring
21 AM1826	Liner Retaining Nut
22 AMWS	Wear Parts Spanner

Retrofit Option (Not Fitted as Standard)

*23 AM6001HS-KIT	Heat Shield Kit For Standard Handle
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Welding with Soft Wires

For welding with Aluminum wires use a Combi-Liner (page 63). Optimum installation is achieved when using the Combi-Liner set-up kit.

Optional Extra

AMCLST-KITS	Combi-Liner Set-up kit (See Page 64)
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M6 Digital Air-Cooled Mig Welding Torch

Ratings:	430A CO ₂ , 400A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.9mm-2.0mm wires
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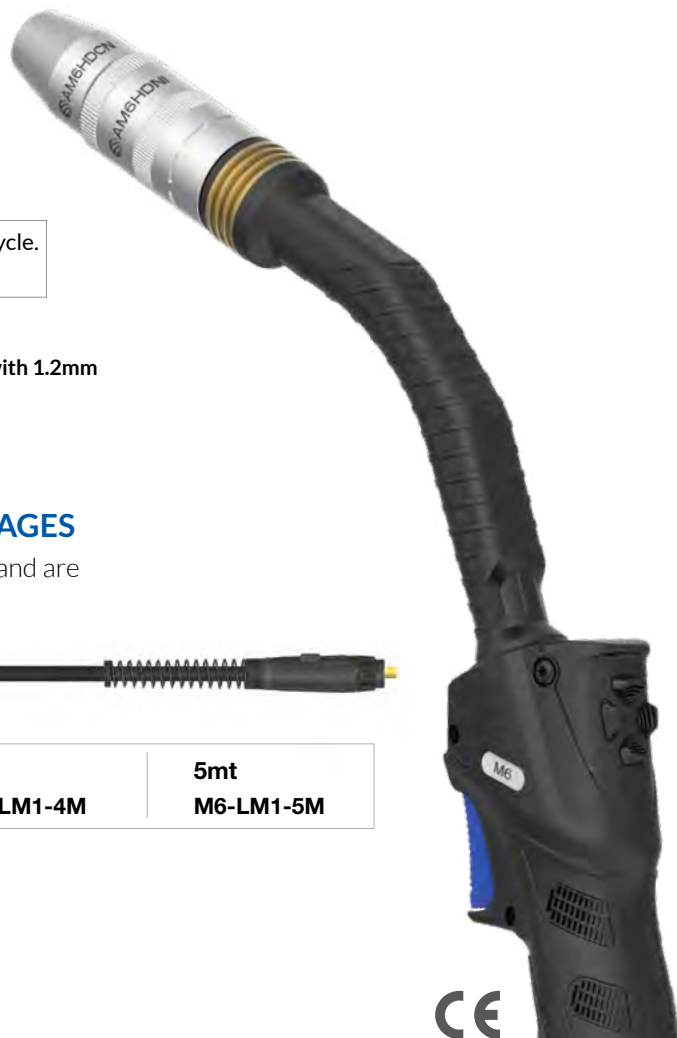
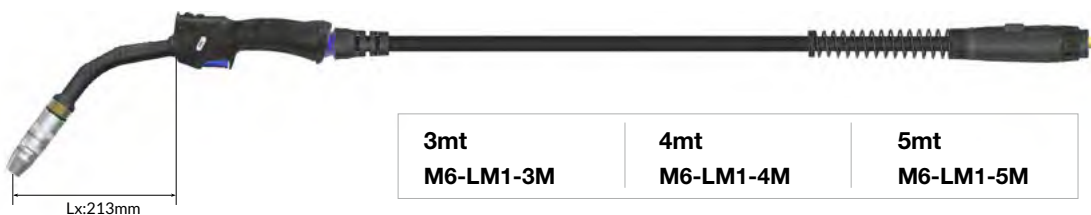
An Indestructible 400 Amp Air-Cooled Production Torch.

Perfect for high amps, high deposition, pulse, and high duty applications with 1.2mm and 1.6mm 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

M6 Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



Wear Parts

Nozzle - 2 Piece

Part Number	Description	Bore	Wall	Material
A AM6HDTN	Tapered Nozzle (Part 2)	13mm	3.5mm	Copper
•AM6HDCN	Conica Nozzle (Part 2)	15mm	3.5mm	Copper
AM6HDCYN	Cylindrical Nozzle (Part 2)	23mm	3.5mm	Copper
A1•AM6HDNI	Nozzle Insulator(Part 1)			Copper

Nozzle - Single Piece

A2 AM6TN	Tapered Nozzle / Insulator Assy	13mm	2.5mm	Copper
AM6CN	Conical Nozzle / Insulator Assy	15mm	2.5mm	Copper
AM6CYN	Cylindrical Nozzle / Insulator Assy	23mm	2.5mm	Copper

B Contact Tips

Part Number	Description	Size (mm)	Wire Size (mm-inch)	Material
Standard Series				
AM6CT09	Contact Tip	M12*40.5	0.9 - 0.035	CuCrZr
AM6CT10	Contact Tip	M12*40.5	1.0 - 0.040	CuCrZr
•AM6CT12	Contact Tip	M12*40.5	1.2 - 0.045	CuCrZr
AM6CT14	Contact Tip	M12*40.5	1.4 - 0.055	CuCrZr
AM6CT16	Contact Tip	M12*40.5	1.6 - 0.063	CuCrZr
AM6CT20	Contact Tip	M12*40.5	2.0 - 0.080	CuCrZr
A Series				
AM6CT10A	Contact Tip	M12*40.5	1.0 - 0.040	CuCrZr
AM6CT12A	Contact Tip	M12*40.5	1.2 - 0.045	CuCrZr
AM6CT16A	Contact Tip	M12*40.5	1.6 - 0.063	CuCrZr
AM6CT20A	Contact Tip	M12*40.5	2.0 - 0.080	CuCrZr
AMC6CT10A	Contact Tip	M12*40.5	1.0 - 0.040	Copper
AMC6CT12A	Contact Tip	M12*40.5	1.2 - 0.045	Copper

C Tip Adaptors

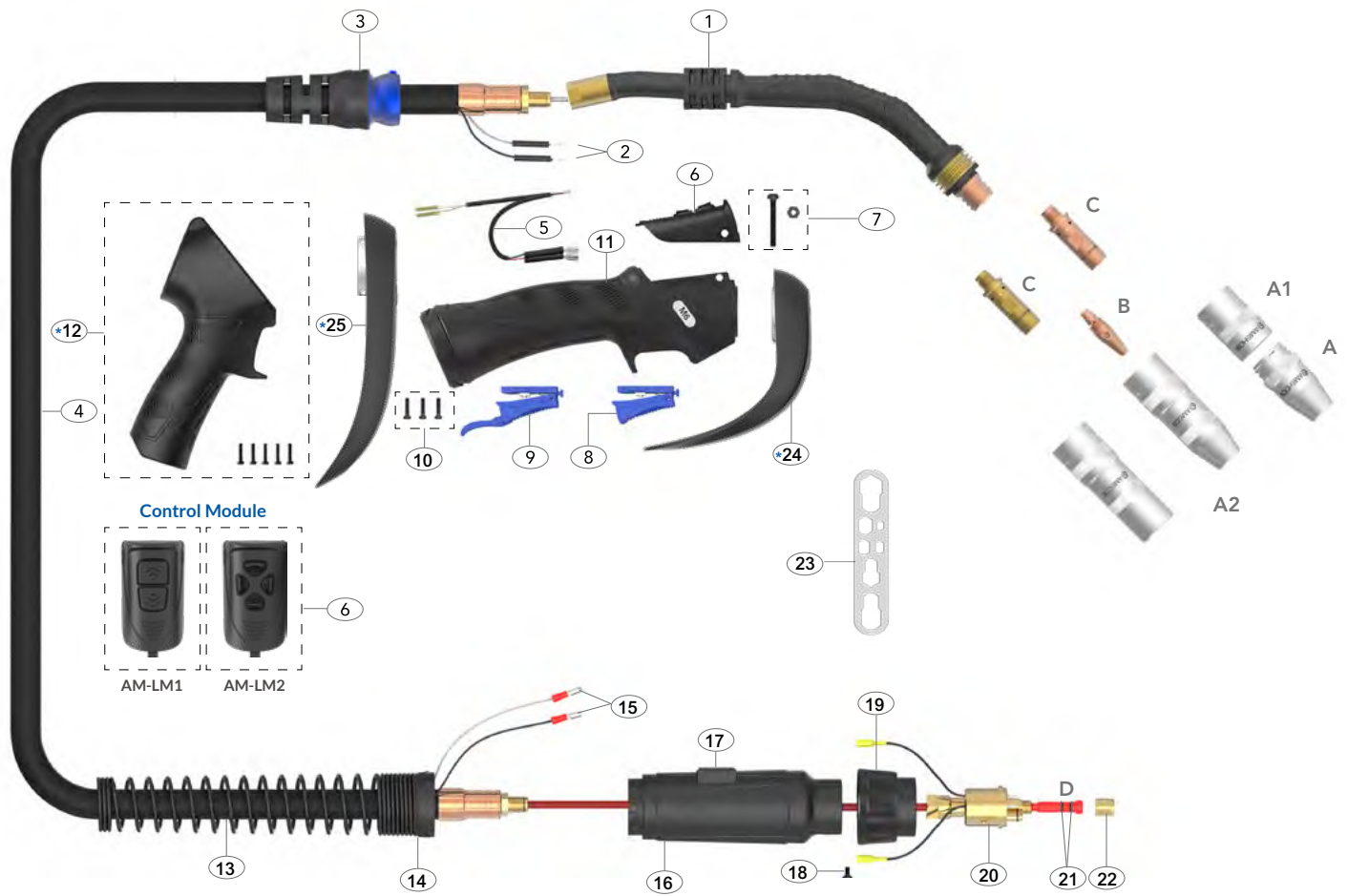
Part Number	Description	Material
•AM6TAC	Tip Adaptor High Performance	CuCrZr
AM6TAB	Tip Adaptor	Brass

D 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

• Denotes torch package standard wear part set-up

SuperSoft -20 Premium Power Cables
Perfect for extreme subzero working conditions



Spare Parts

Part Number	Description
1 AM6001	Swan Neck Assembly
2 AM1521	Cable Terminal
3 AMS8017	Handle Cable Support c/w Ball Joint
4 AM6003CW-30	Power Cable Assembly x 3mt
AM6003CW-40	Power Cable Assembly x 4mt
AM6003CW-50	Power Cable Assembly x 5mt
5 AMCW	Module Wiring Harness
6 AM-LM1	2 Way Control Module
AM-LM2	4 Way Control Module
7 AMDMNS	Screw and Nut
8 AM2516	Microswitch Standard Trigger
9 AM2516L	Microswitch Extended Trigger
10 AMSP1-1	Screw Pack
11 AM2515	Handle and Lock Nut Assembly
13 AM8026	Housing Spring
14 AM8028	Housing Lock Nut
15 AM1522	Cable Terminal Male
16 AMT5022	Gun Plug Housing
17 AMF8017	Large Housing Wire Cover
18 AM1526	Gun Plug Screw

Part Number	Description
19 AM1519	Gun Plug Nut
20 AMB1528	Gun Plug Body
21 AMLOR	Liner 'O' Ring
22 AM1826	Liner Retaining Nut
23 AMWS	Wear Parts Spanner

Retrofit Options (Not Fitted as Standard)

*12 AMMP2515	Pistol Handle Assembly
*24 AM6001HS-KIT	Heat Shield Kit For Standard Handle
*25 AMP6001HS-KIT	Heat Shield Kit For Pistol Handle

Welding with Soft Wires

For welding with Aluminum wires use a Combi-Liner (page 63-64). Optimum installation is achieved when using the Combi-Liner set-up kit.

Optional Extra

AMCLST-KITS	Combi-Liner Set-up kit (See Page 64)
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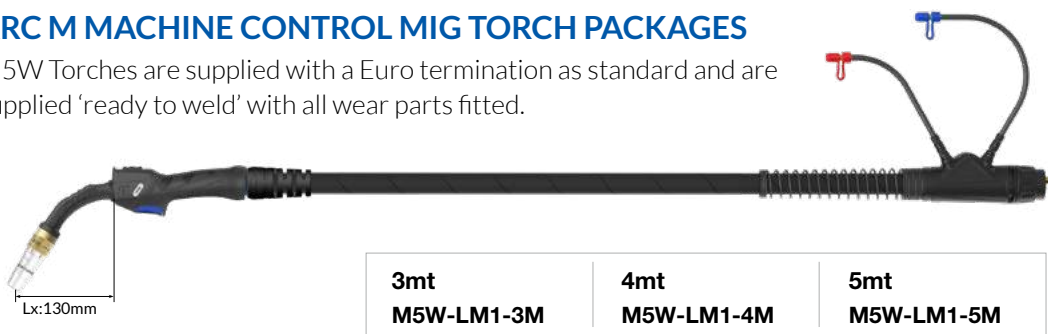
M5W Digital Liquid-Cooled Mig Welding Torch

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.



3mt M5W-LM1-3M	4mt M5W-LM1-4M	5mt M5W-LM1-5M
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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

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

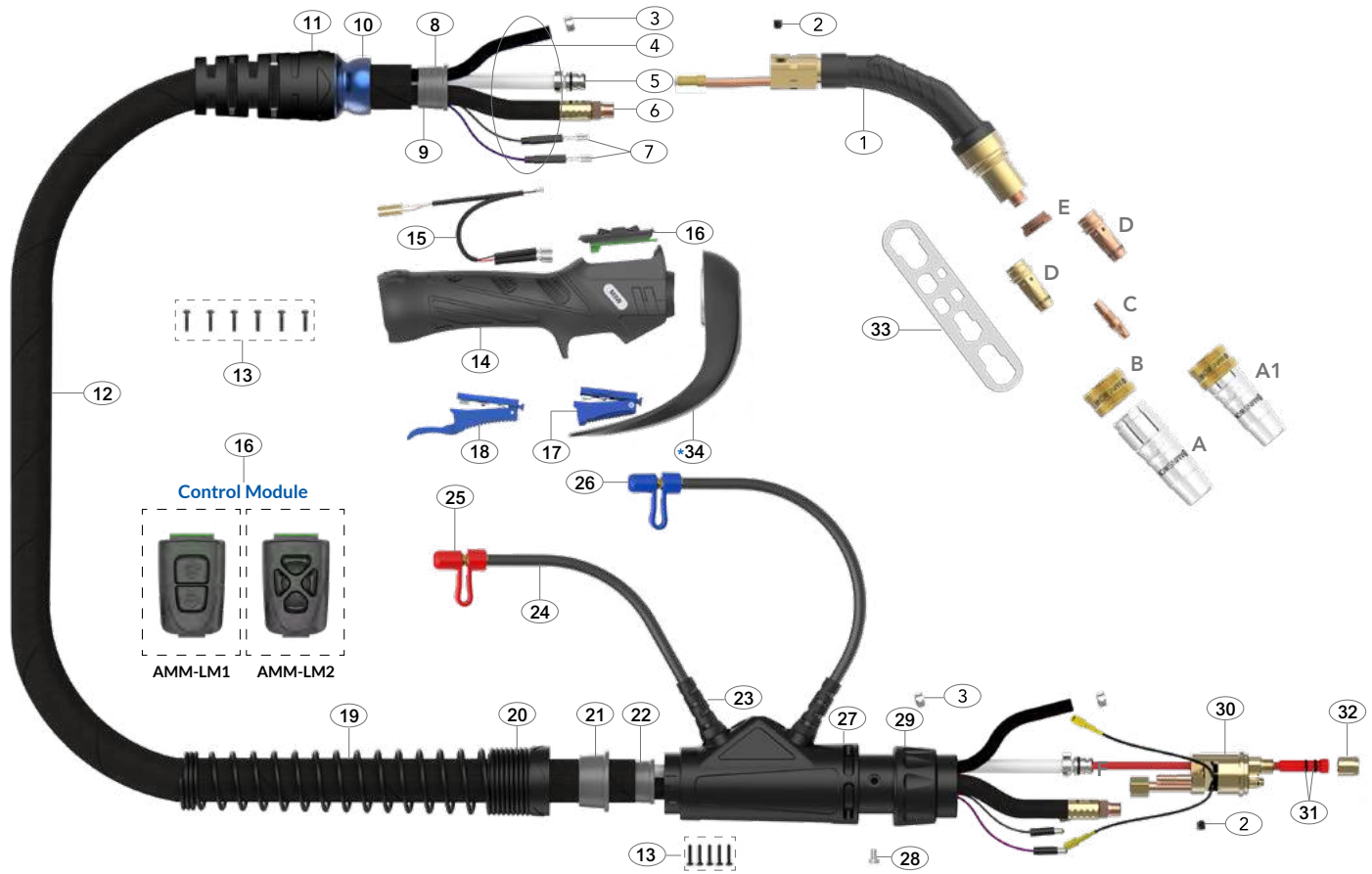
Part Number	Description
•AM5WTAI	Tip Adaptor Insulator

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 62-64

•Denotes torch package standard wear part set-up



Spare Parts

Part Number	Description
1	AM5002 Swan Neck Assembly
2	AM6X5 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

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

Retrofit Option (Not Fitted as Standard)

*34	AM5002HS-KIT	Heat Shield Kit For Standard Handle
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Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 63-64). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

Optional Extra

AMOSWLG	Soft Wire Liner Gasket (See Page 64)
AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit (See Page 64)

M55W Digital Liquid-Cooled Mig Welding Torch

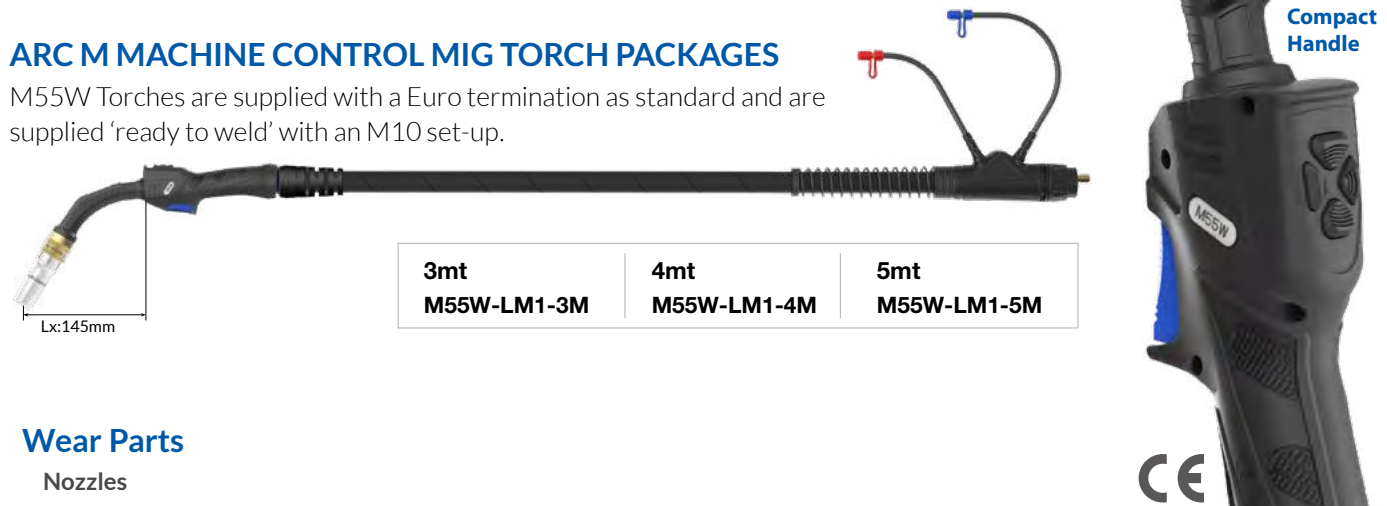
Ratings:	580A CO ₂ , 560A mixed gas M21, 400A pulse @100% Max. Load 25KW with 1600W liquid cooler, 0.9mm-2.0mm wires
	550A CO ₂ , 530A mixed gas M21, 360A pulse @100% Max. Load 23KW with 1200W liquid cooler, 0.9mm-2.0mm wires

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
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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

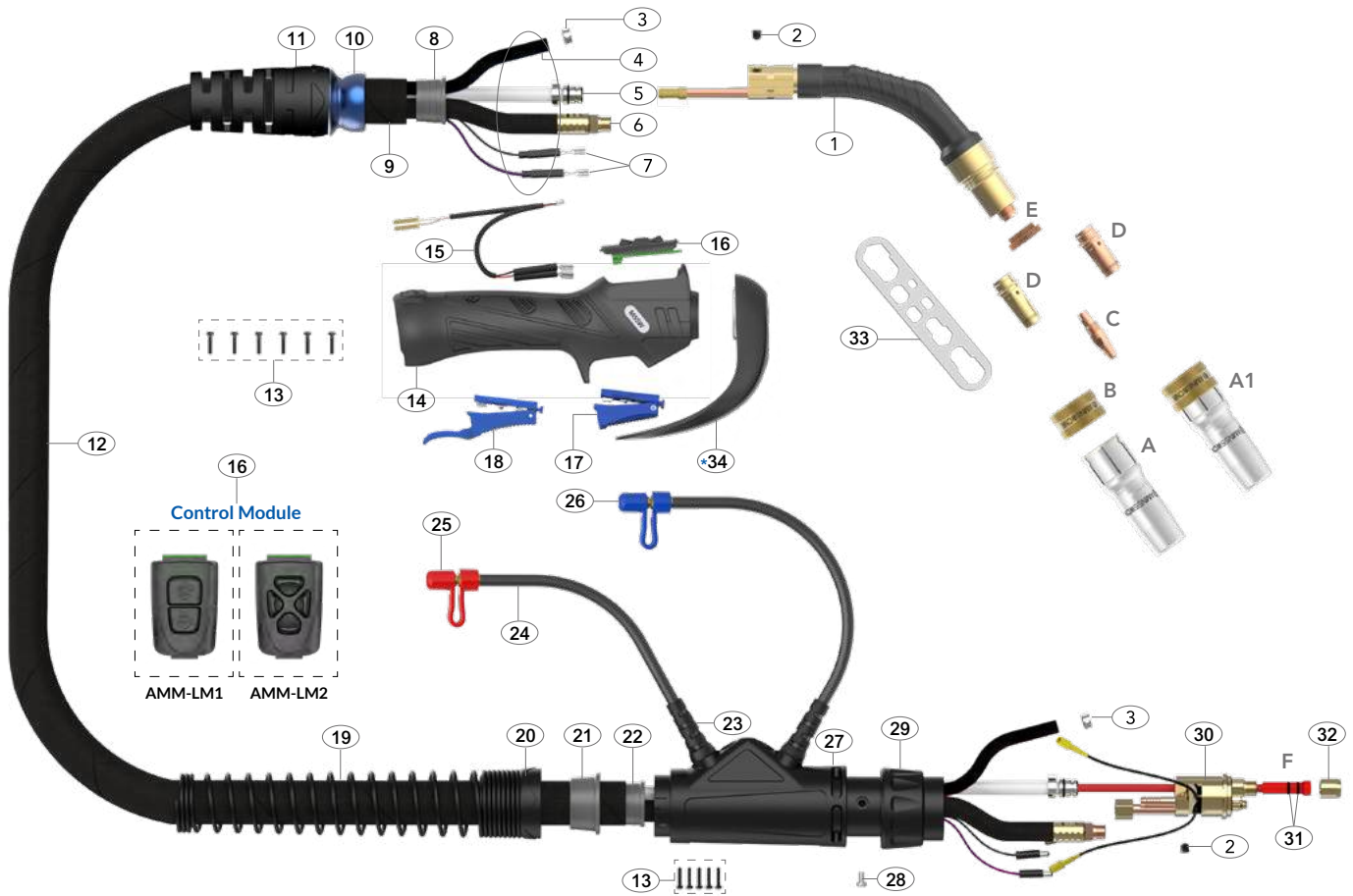
E Tip Adaptor Insulators

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 62-64



Spare Parts

Part Number	Description
1	AM5502 Swan Neck Assembly
2	AM6X5 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

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

Retrofit Option (Not Fitted as Standard)

*34	AM5502HS-KIT Heat Shield Kit For Standard Handle
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Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 63-64). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

Optional Extra

AMOSWLG	Soft Wire Liner Gasket (See Page 64)
AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit (See Page 64)

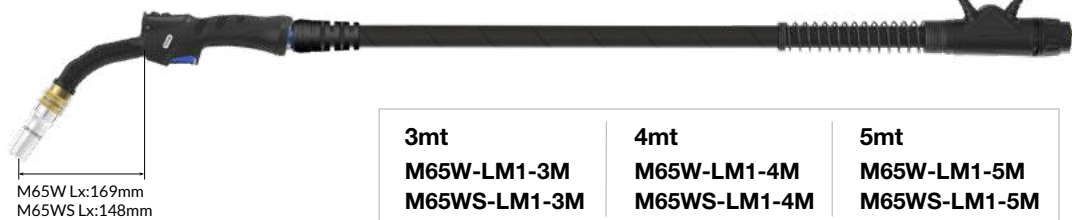
M65W/M65WS Digital Liquid-Cooled Mig Welding Torch

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

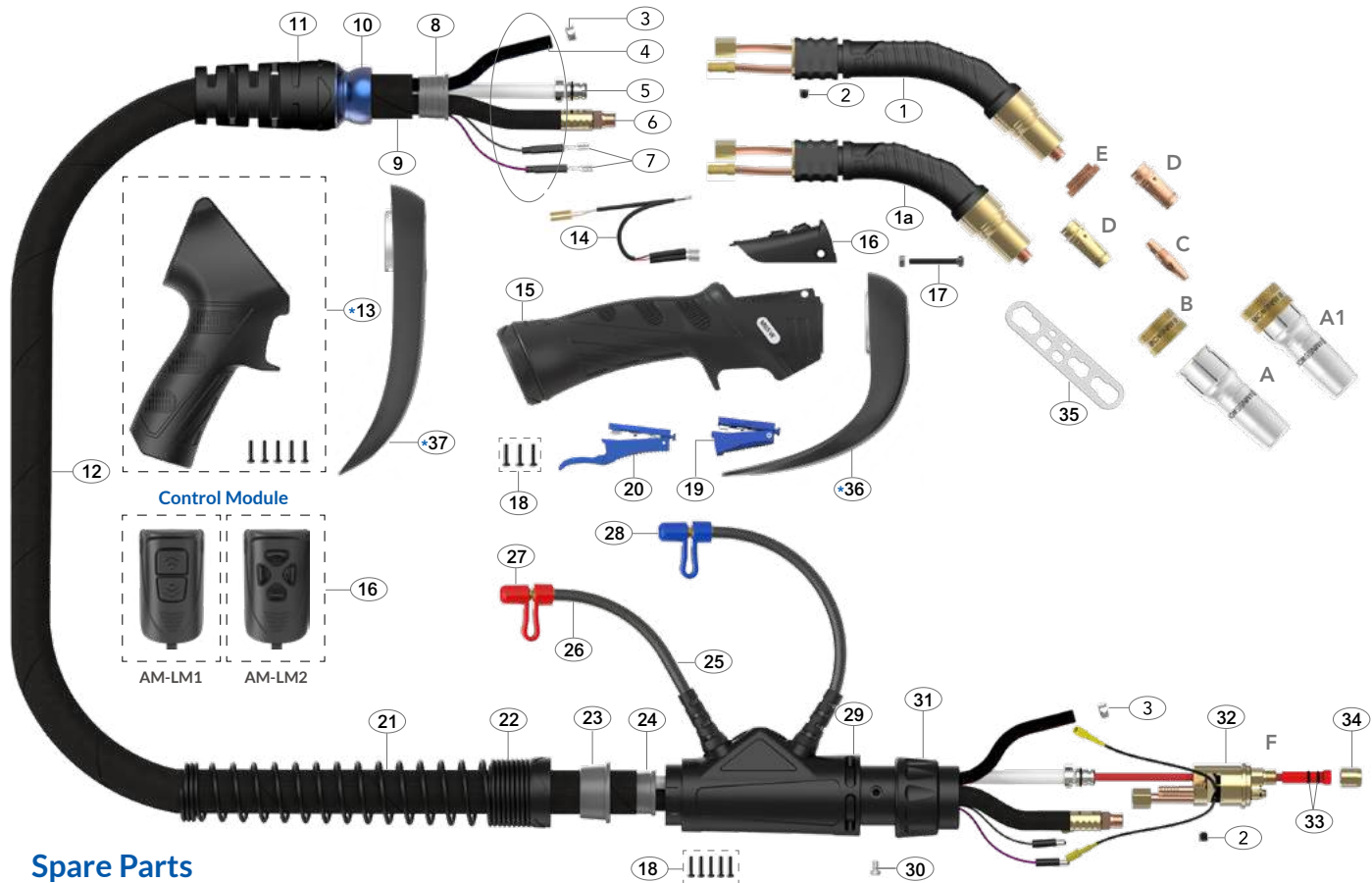
E Tip Adaptor Insulators

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 62-64



Spare Parts

Part Number	Description
1	AM6502 M65W Swan Neck Assembly 45°
1a	AM6502S M65WS Swan Neck Assembly 45°
2	AM6X5 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	AMDMSN 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

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

Retrofit Options (Not Fitted as Standard)

*13	AMMP2515	Pistol Handle Assembly
*36	AM6502HS-KIT	Heat Shield Kit For Standard Handle
*37	AMP6502HS-KIT	Heat Shield Kit For Pistol Handle

Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 63-64). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

Optional Extra

AMOSWLG	Soft Wire Liner Gasket (See Page 64)
AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit (See Page 64)

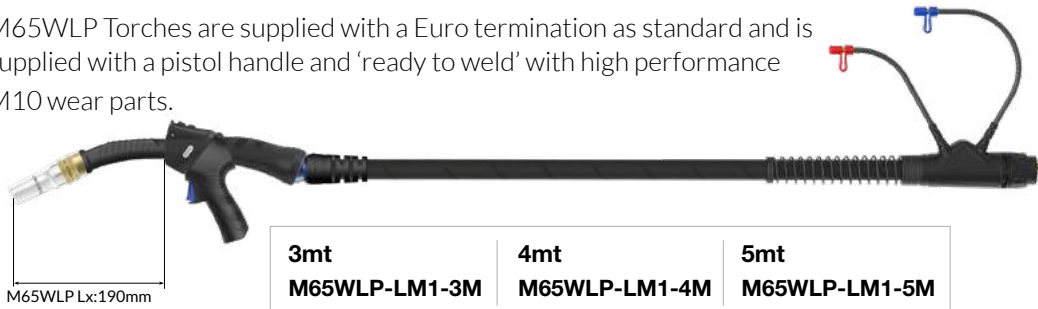
M65WLP Digital Liquid-Cooled Mig Welding Torch

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



3mt M65WLP-LM1-3M	4mt M65WLP-LM1-4M	5mt M65WLP-LM1-5M
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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

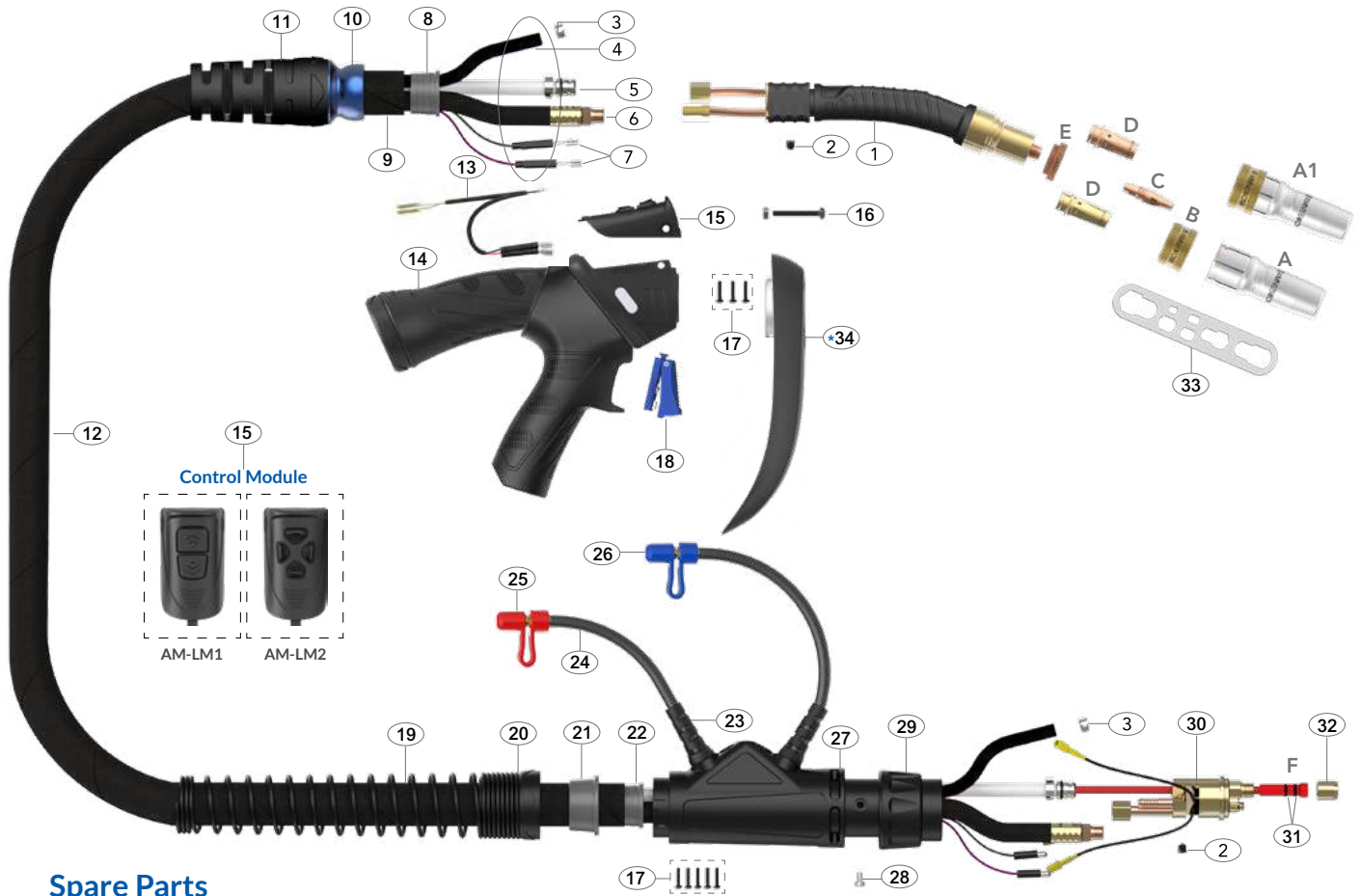
E Tip Adaptor Insulators

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 62-64



Spare Parts

Part Number	Description
1	AM6502P M65WLP Swan Neck Assembly 22°
2	AM6X5 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	AMCW 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	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

Cable Parts

Description	Part Number		
	3mt	4mt	5mt
4	AM5012-30	AM5012-40	AM5012-50
5	AM6008-30	AM6008-40	AM6008-50
6	AM6015-30	AM6015-40	AM6015-50
7	AM5010M-30	AM5010M-40	AM5010M-50
9	AM5019-30	AM5019-40	AM5019-50
12	AM6006C-30	AM6006C-40	AM6006C-50

Retrofit Option (Not Fitted as Standard)

*34	AM6502PHS-KIT	Heat Shield Kit For Pistol Handle
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Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 63-64). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

Optional Extra

AMOSWLG	Soft Wire Liner Gasket (See Page 58)
AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit (See Page 58)

M3 Digital Display Air-Cooled Mig Welding Torch

Ratings:	300A CO ₂ , 270A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.9mm-1.2mm wires
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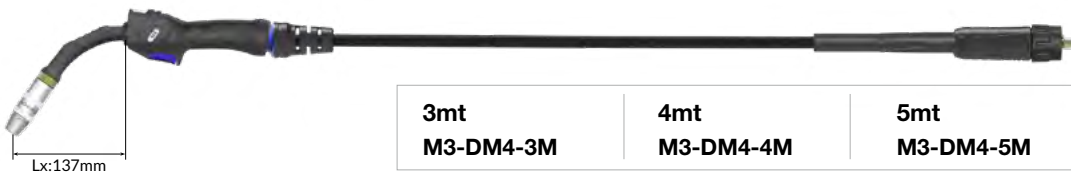
The Arc M3 is a true 300 Amp Torch which outperforms all Binzel® MB36 derivatives.

Ideal for 1.2mm production work.

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

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M3 Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



Wear Parts

Nozzles - 2 Piece

Part Number	Description	Bore	Wall	Material
A AM3HDTN	Tapered Nozzle (Part 2)	12mm	3mm	Copper
•AM3HDCN	Conica Nozzle (Part 2)	14mm	3mm	Copper
AM3HDCYN	Cylindrical Nozzle (Part 2)	19mm	3mm	Copper
A1•AM3HDNI	Nozzle Insulator(Part 1)			Copper

Nozzles - Single Piece

A2 AM3TN	Tapered Nozzle / Insulator Assy	12mm	2.25mm	Copper
AM3CN	Conical Nozzle / Insulator Assy	14mm	2.25mm	Copper
AM3CYN	Cylindrical Nozzle / Insulator Assy	19mm	2.25mm	Copper

B 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
A Series				
AM5CT10A	Contact Tip	M8*29.5	1.0-0.040	CuCrZr
AM5CT12A	Contact Tip	M8*29.5	1.2-0.045	CuCrZr
AM2CT10A	Contact Tip	M8*29.5	1.0-0.040	Copper
AM2CT12A	Contact Tip	M8*29.5	1.2-0.045	Copper

C Tip Adaptors

Part Number	Description	Material
•AM3TAB	Tip Adaptor	Brass
AM3TAC	Tip Adaptor High Performance	CuCrZr

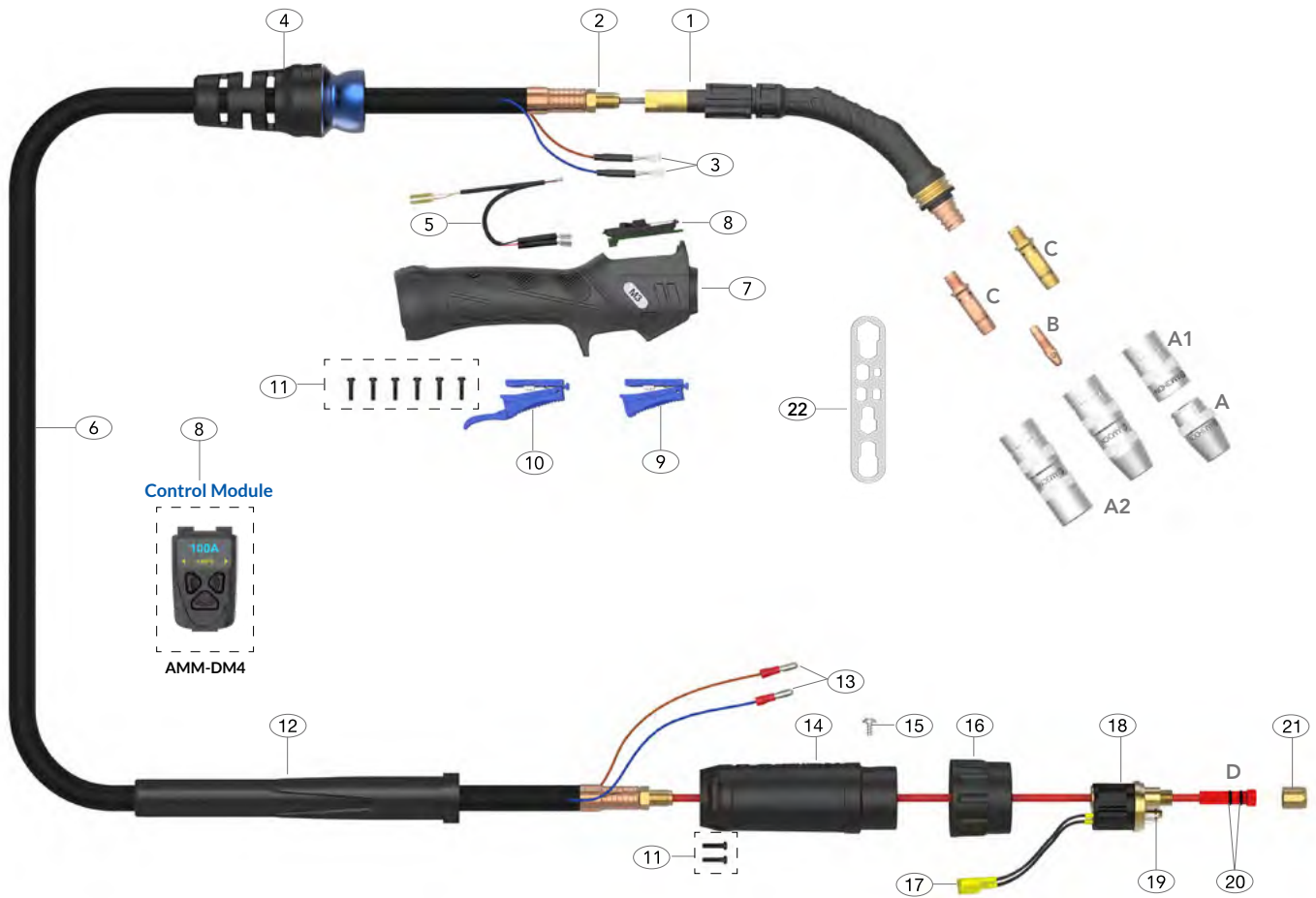
D Liners

Part Number	Description	Wire Size
•AM2524-30	Steel Liner x 3mt	1.0-1.2mm
•AM2524-40	Steel Liner x 4mt	1.0-1.2mm
•AM2524-50	Steel Liner x 5mt	1.0-1.2mm
AM1535-30	Steel Liner x 3mt	0.6-0.9mm
AM1535-40	Steel Liner x 4mt	0.6-0.9mm
AM1535-50	Steel Liner x 5mt	0.6-0.9mm

• Denotes torch package standard wear part set-up

SuperSoft -20 Premium Power Cables
Perfect for extreme subzero working conditions

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Spare Parts

Part Number	Description
1 AM3001	Swan Neck Assembly
2 AM1505	Lock Nut
3 AM1521	Cable Terminal
4 AM1514	Handle Cable Support c/w Ball Joint
5 AMCWS	Module Wiring Harness
6 AM3003CW-30	Power Cable Assembly x 3mt
AM3003CW-40	Power Cable Assembly x 4mt
AM3003CW-50	Power Cable Assembly x 5mt
7 AMM2514	Handle Kit
8 AMM-DM4	Compact Control Module Digital Display
9 AM2516	Microswitch Standard Trigger
10 AM2516L	Microswitch Extended Trigger
11 AMSP1-1	Screw Pack
12 AMPA3541	Cable Support
13 AM1522	Cable Terminal Male
14 AM2578/L	Gun Plug Housing
15 AML1541	Gun Plug Screw
16 AMC1519	Gun Plug Nut
17 AM1523	Gun Plug Terminal Female

Part Number	Description
18 AM1528	Hybrid Gun Plug Body c/w Spring Pins
19 AM1524	Gun Plug 'O' Ring
20 AMLOR	Liner 'O' Ring
21 AM1826	Liner Retaining Nut
22 AMWS	Wear Parts Spanner
Optional Extra	
23 AMCLST-KITS	Combi-Liner Set-up kit

Welding with Soft Wires

For welding with Aluminum wires use a Combi-Liner (page 63). Optimum installation is achieved when using the Combi-Liner set-up kit.

Optional Extra

AMCLST-KITS	Combi-Liner Set-up kit (See Page 64)
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M4 Digital Display Air-Cooled Mig Welding Torch



Ratings:	350A CO ₂ , 320A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.9mm-1.2mm wires
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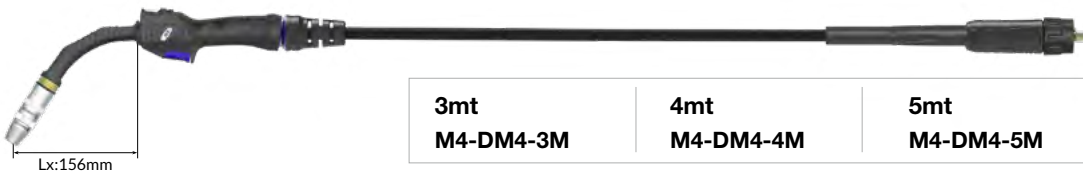
The Arc M4 performance is superior to the Binzel® MB36 and delivers more power than an MB38.

An all-day production torch in solid wire and pulse Mig applications over 300 Amps.

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

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M4 Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



3mt M4-DM4-3M	4mt M4-DM4-4M	5mt M4-DM4-5M
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Wear Parts

Nozzles - 2 Piece

Part Number	Description	Bore	Wall	Material
A AM4HDTN	Tapered Nozzle (Part 2)	13mm	3mm	Copper
•AM4HDCN	Conica Nozzle (Part 2)	15mm	3mm	Copper
AM4HDCYN	Cylindrical Nozzle (Part 2)	21mm	3mm	Copper
A1•AM4HDNI	Nozzle Insulator(Part 1)			Copper

Nozzles - Single Piece

Part Number	Description	Bore	Wall	Material
A2 AM4TN	Tapered Nozzle / Insulator Assy	13mm	2.25mm	Copper
AM4CN	Conical Nozzle / Insulator Assy	15mm	2.25mm	Copper
AM4CYN	Cylindrical Nozzle / Insulator Assy	21mm	2.25mm	Copper

B 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
A Series				
AM6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040	CuCrZr
AM6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045	CuCrZr
AMC6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040	Copper
AMC6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045	Copper

C Tip Adaptors

Part Number	Description	Material
•AM4TAB	Tip Adaptor	Brass
AM4TAC	Tip Adaptor High Performance	CuCrZr

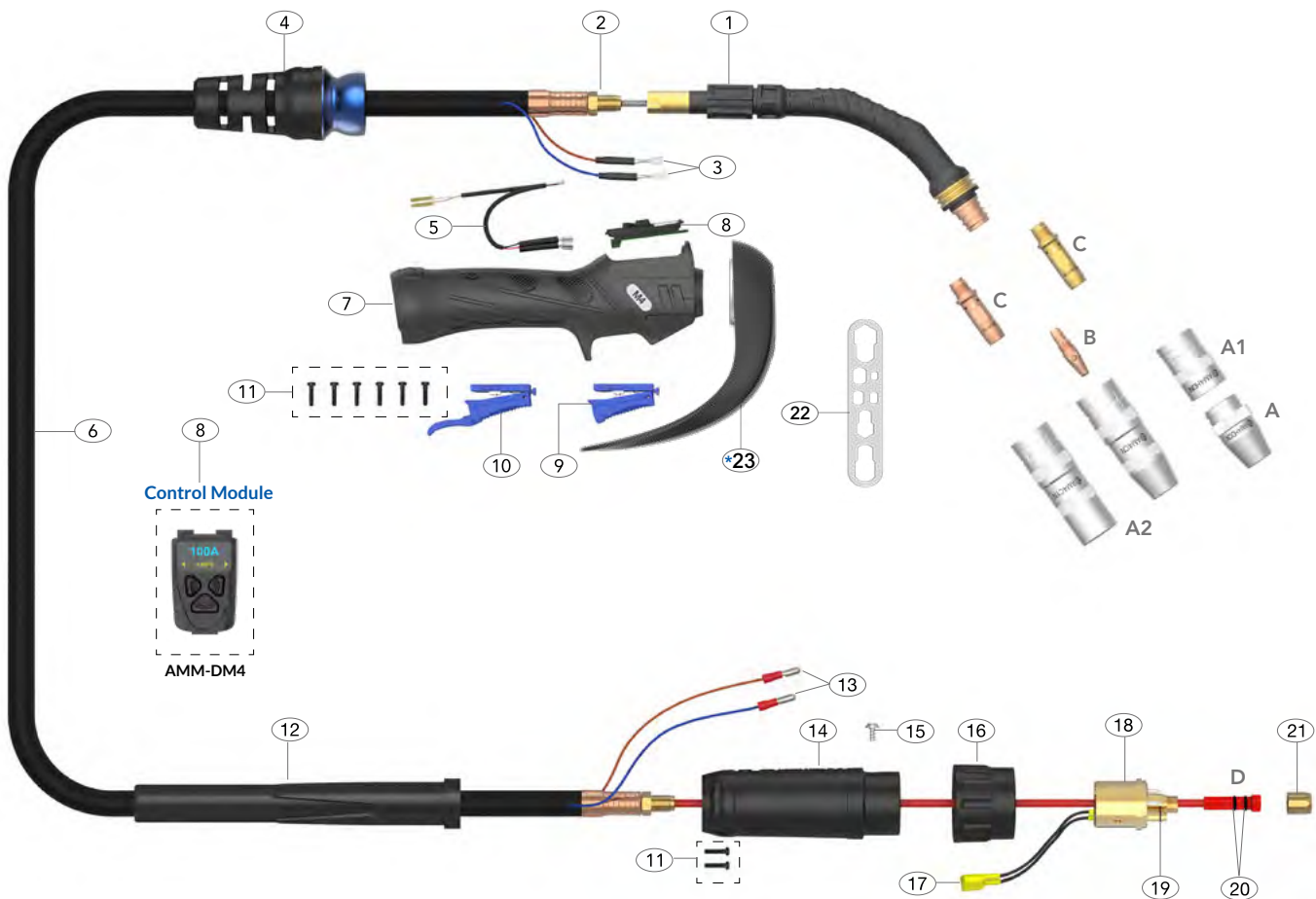
D Liners

Part Number	Description	Wire Size
•AM2524-30	Steel Liner x 3mt	1.0-1.2mm
•AM2524-40	Steel Liner x 4mt	1.0-1.2mm
•AM2524-50	Steel Liner x 5mt	1.0-1.2mm
AM1535-30	Steel Liner x 3mt	0.6-0.9mm
AM1535-40	Steel Liner x 4mt	0.6-0.9mm
AM1535-50	Steel Liner x 5mt	0.6-0.9mm

• Denotes torch package standard wear part set-up

SuperSoft -20 Premium Power Cables
Perfect for extreme subzero working conditions

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Spare Parts

Part Number	Description
1 AM4001	Swan Neck Assembly
2 AM1505	Lock Nut
3 AM1521	Cable Terminal
4 AM1514	Handle Cable Support c/w Ball Joint
5 AMCWS	Module Wiring Harness
6 AM4003CW-30	Ultraflex Cable Assembly x 3mt
AM4003CW-40	Ultraflex Cable Assembly x 4mt
AM4003CW-50	Ultraflex Cable Assembly x 5mt
7 AMM2514	Handle Kit
8 AMM-DM4	Compact Control Module Digital Display
9 AM2516	Microswitch Standard Trigger
10 AM2516L	Microswitch Extended Trigger
11 AMSP1-1	Screw Pack
12 AMPA3541	Cable Support
13 AM1522	Cable Terminal Male
14 AM2578/L	Gun Plug Housing
15 AM1526	Gun Plug Screw
16 AMC1519	Gun Plug Nut
17 AM1523	Gun Plug Terminal Female

Part Number	Description
18 AMB1528S	Hybrid Gun Plug Body c/w Spring Pins
19 AM1524	Gun Plug 'O' Ring
20 AMLOR	Liner 'O' Ring
21 AM1826	Liner Retaining Nut
22 AMWS	Wear Parts Spanner

Retrofit Option (Not Fitted as Standard)

*23 AM4001HS-KIT	Heat Shield Kit For Standard Handle
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Welding with Soft Wires

For welding with Aluminum wires use a Combi-Liner (page 63). Optimum installation is achieved when using the Combi-Liner set-up kit.

Optional Extra

AMCLST-KITS	Combi-Liner Set-up kit (See Page 64)
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M5 Digital Display Air-Cooled Mig Welding Torch

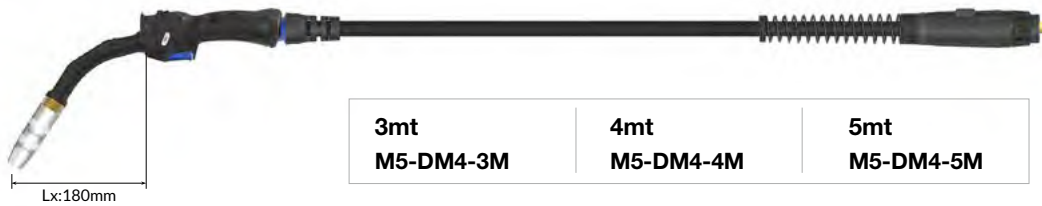
Ratings:	390A CO ₂ , 360A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.9mm-1.6mm wires
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Constructed for power, performance, and longevity the M5 is ideal for heavy duty 1.2mm and 1.6mm high deposition and pulse applications.

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

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M5 Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



Wear Parts

Nozzle - 2 Piece

Part Number	Description	Bore	Wall	Material
A AM5HDTN	Tapered Nozzle - (Part 2)	13mm	3.5mm	Copper
•AM5HDCN	Conical Nozzle - (Part 2)	15mm	3.5mm	Copper
AM5HDCYN	Cylindrical Nozzle - (Part 2)	21mm	3.5mm	Copper
A1•AM5HDNI	Nozzle Insulator - (Part 1)			Copper

Nozzle - Single Piece

A2 AM5TN	Tapered Nozzle / Insulator Assy	13mm	2.5mm	Copper
AM5CN	Conical Nozzle / Insulator Assy	15mm	2.5mm	Copper
AM5CYN	Cylindrical Nozzle / Insulator Assy	21mm	2.5mm	Copper

B 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
AMC6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040	Copper
AMC6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045	Copper

Tip Adaptors

Part Number	Description	Material
AM5TAC	Tip Adaptor High Performance	CuCrZr
•AM5TAB	Tip Adaptor	Brass

D 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

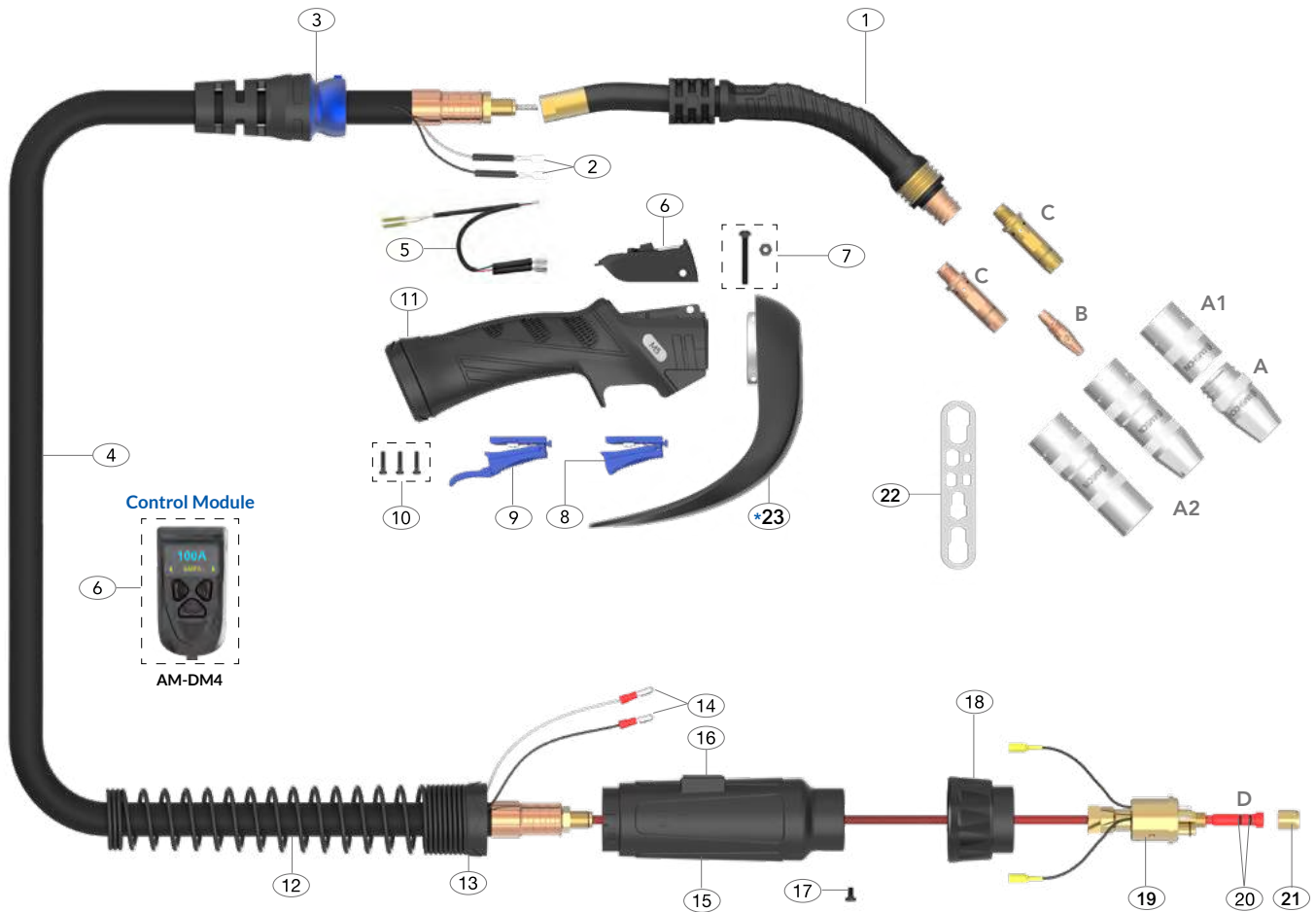
•Denotes torch package standard wear part set-up

SuperSoft -20 Premium Power Cables
Perfect for extreme subzero working conditions

Digital Display Machine Control Series



MAKE WORK
LIFE EASIER



Spare Parts

Part Number	Description
1	AM5001 Swan Neck Assembly
2	AM1521 Cable Terminal
3	AMS8017 Handle Cable Support c/w Ball Joint
4	AM5003CW-30 Power Cable Assembly x 3mt AM5003CW-40 Power Cable Assembly x 4mt AM5003CW-50 Power Cable Assembly x 5mt
5	AMCW Module Wiring Harness
6	AM-DM4 Control Module Digital Display
7	AMDMS Screw and Nut
8	AM2516 Microswitch Standard Trigger
9	AM2516L Microswitch Extended Trigger
10	AMSP1-1 Screw Pack
11	AM2515 Handle and Lock Nut Assembly
12	AM8026 Housing Spring
13	AM8028 Housing Lock Nut
14	AM1522 Cable Terminal Male

Part Number	Description
15	AMT5022 Gun Plug Housing
16	AMF8017 Large Housing Flat Cover Block
17	AM1526 Gun Plug Screw
18	AM1519 Gun Plug Nut
19	AMB1528 Gun Plug Body
20	AMLOR Liner 'O' Ring
21	AM1826 Liner Retaining Nut
22	AMWS Wear Parts Spanner

Retrofit Option (Not Fitted as Standard)

*23 AM6001HS-KIT Heat Shield Kit For Standard Handle

Welding with Soft Wires

For welding with Aluminum wires use a Combi-Liner (page 63-64). Optimum installation is achieved when using the Combi-Liner set-up kit.

Optional Extra

AMCLST-KITS Combi-Liner Set-up kit (See Page 64)

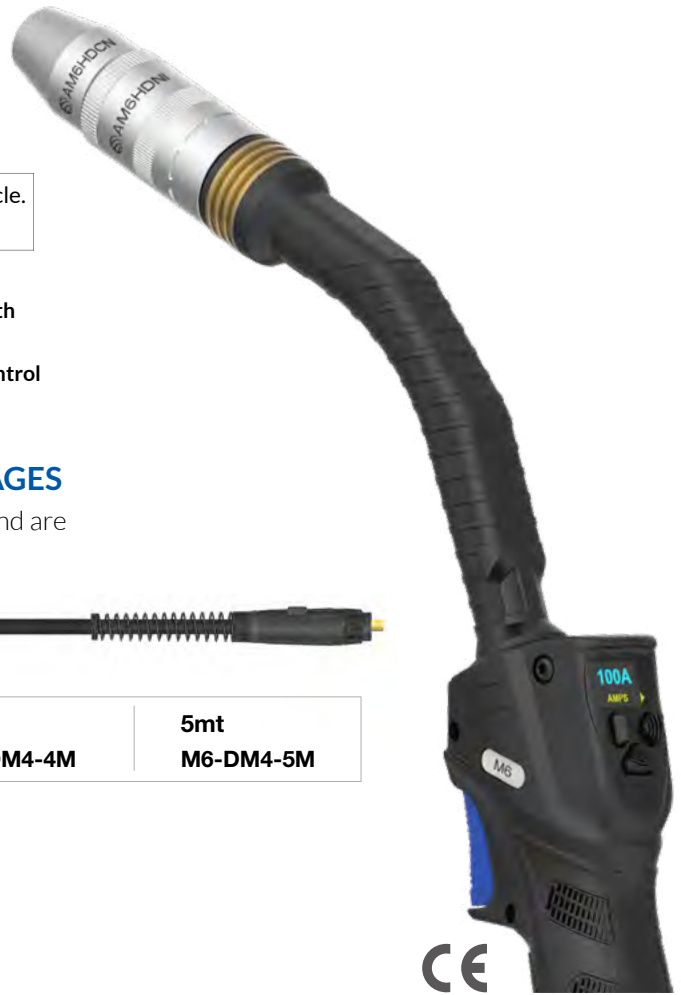
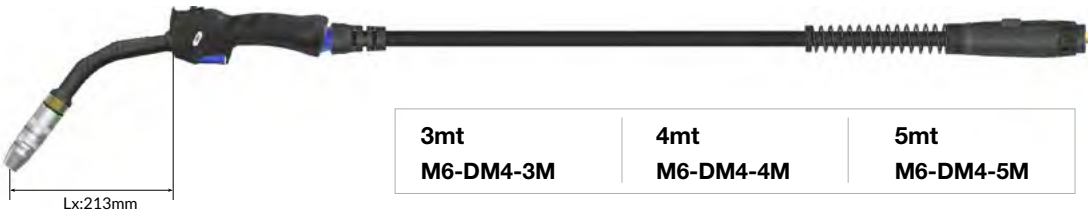
M6 Digital Display Air-Cooled Mig Welding Torch

Ratings:	430A CO ₂ , 400A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.9mm-2.0mm wires
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An Indestructible 400 Amp Air-Cooled Production Torch.
Perfect for high amps, high deposition, pulse, and high duty applications with 1.2mm and 1.6mm wires.
High tech control of welding parameters is made by digitally interfacing control features from the torch handle.

ARC M MACHINE CONTROL MIG TORCH PACKAGES

M6 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 AM6HDTN	Tapered Nozzle (Part 2)	13mm	3.5mm	Copper
•AM6HDCN	Conica Nozzle (Part 2)	15mm	3.5mm	Copper
AM6HDCYN	Cylindrical Nozzle (Part 2)	23mm	3.5mm	Copper
A1•AM6HDNI	Nozzle Insulator(Part 1)			Copper

Nozzle - Single Piece

Part Number	Description	Bore	Wall	Material
A2 AM6TN	Tapered Nozzle / Insulator Assy	13mm	2.5mm	Copper
AM6CN	Conical Nozzle / Insulator Assy	15mm	2.5mm	Copper
AM6CYN	Cylindrical Nozzle / Insulator Assy	23mm	2.5mm	Copper

B Contact Tips

Part Number	Description	Size (mm)	Wire Size (mm-inch)	Material
Standard Series				
AM6CT09	Contact Tip	M12*40.5	0.9 - 0.035	CuCrZr
AM6CT10	Contact Tip	M12*40.5	1.0 - 0.040	CuCrZr
•AM6CT12	Contact Tip	M12*40.5	1.2 - 0.045	CuCrZr
AM6CT14	Contact Tip	M12*40.5	1.4 - 0.055	CuCrZr
AM6CT16	Contact Tip	M12*40.5	1.6 - 0.063	CuCrZr
AM6CT20	Contact Tip	M12*40.5	2.0 - 0.080	CuCrZr
A Series				
AM6CT10A	Contact Tip	M12*40.5	1.0 - 0.040	CuCrZr
AM6CT12A	Contact Tip	M12*40.5	1.2 - 0.045	CuCrZr
AM6CT16A	Contact Tip	M12*40.5	1.6 - 0.063	CuCrZr
AM6CT20A	Contact Tip	M12*40.5	2.0 - 0.080	CuCrZr
AMC6CT10A	Contact Tip	M12*40.5	1.0 - 0.040	Copper
AMC6CT12A	Contact Tip	M12*40.5	1.2 - 0.045	Copper

Tip Adaptors

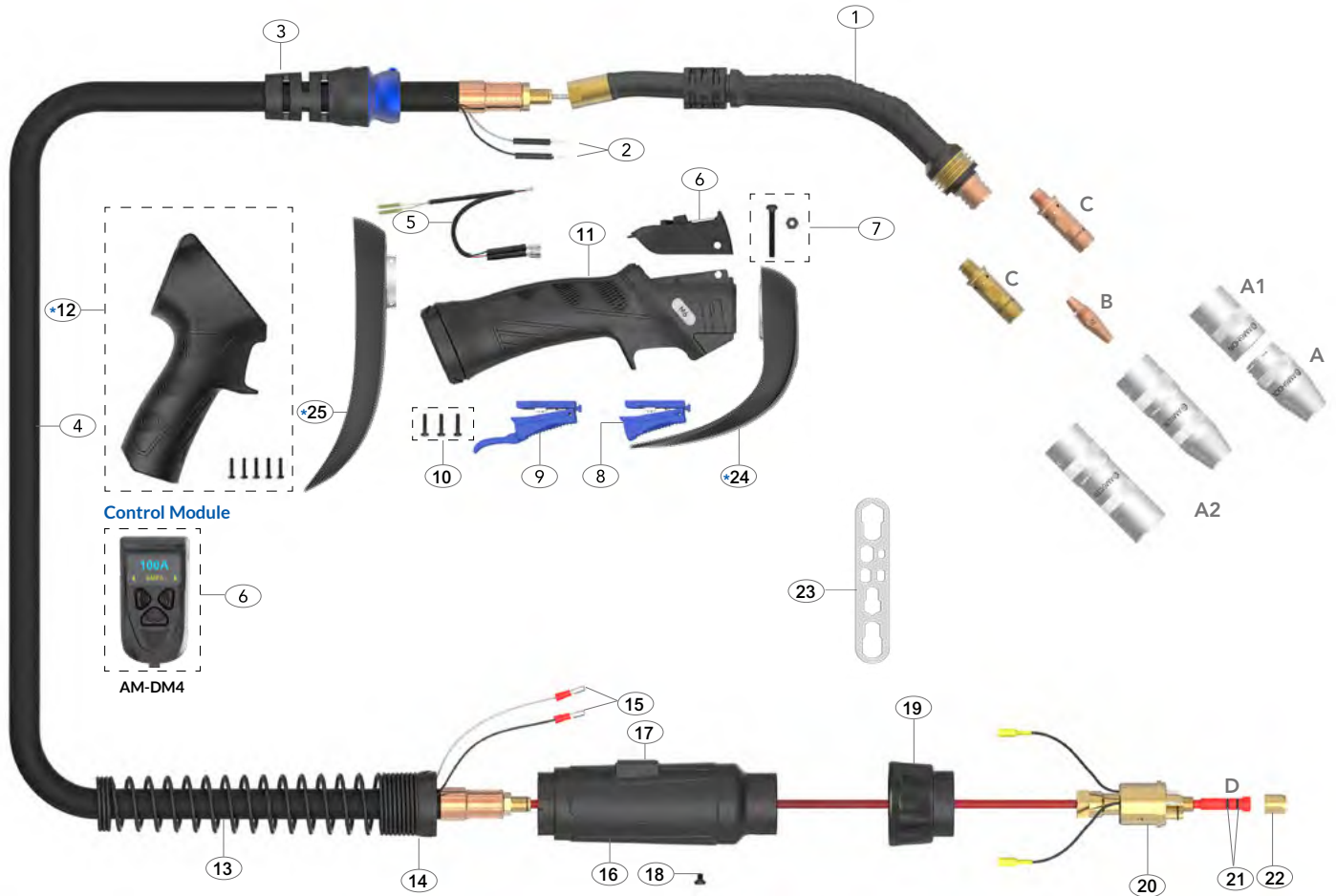
Part Number	Description	Material
•AM6TAC	Tip Adaptor High Performance	CuCrZr
AM6TAB	Tip Adaptor	Brass

D 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

• Denotes torch package standard wear part set-up

SuperSoft -20 Premium Power Cables
 Perfect for extreme subzero working conditions



Spare Parts

Part Number	Description
1 AM6001	Swan Neck Assembly
2 AM1521	Cable Terminal
3 AMS8017	Handle Cable Support c/w Ball Joint
4 AM6003CW-30	Power Cable Assembly x 3mt
AM6003CW-40	Power Cable Assembly x 4mt
AM6003CW-50	Power Cable Assembly x 5mt
5 AMCW	Module Wiring Harness
6 AM-DM4	Control Module Digital Display
7 AMDMNS	Screw and Nut
8 AM2516	Microswitch Standard Trigger
9 AM2516L	Microswitch Extended Trigger
10 AMSP1-1	Screw Pack
11 AM2515	Handle and Lock Nut Assembly
13 AM8026	Housing Spring
14 AM8028	Housing Lock Nut
15 AM1522	Cable Terminal Male
16 AMT5022	Gun Plug Housing
17 AMF8017	Large Housing Wire Cover
18 AM1526	Gun Plug Screw

Part Number	Description
19 AM1519	Gun Plug Nut
20 AMB1528	Gun Plug Body
21 AMLOR	Liner 'O' Ring
22 AM1826	Liner Retaining Nut
23 AMWS	Wear Parts Spanner

Retrofit Options (Not Fitted as Standard)

*12 AMMP2515	Pistol Handle Assembly
*24 AM6001HS-KIT	Heat Shield Kit For Standard Handle
*25 AMP6001HS-KIT	Heat Shield Kit For Pistol Handle

Welding with Soft Wires

For welding with Aluminum wires use a Combi-Liner (page 63-64). Optimum installation is achieved when using the Combi-Liner set-up kit.

Optional Extra

AMCLST-KITS	Combi-Liner Set-up kit (See Page 64)
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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.



3mt M5W-DM4-3M	4mt M5W-DM4-4M	5mt M5W-DM4-5M
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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

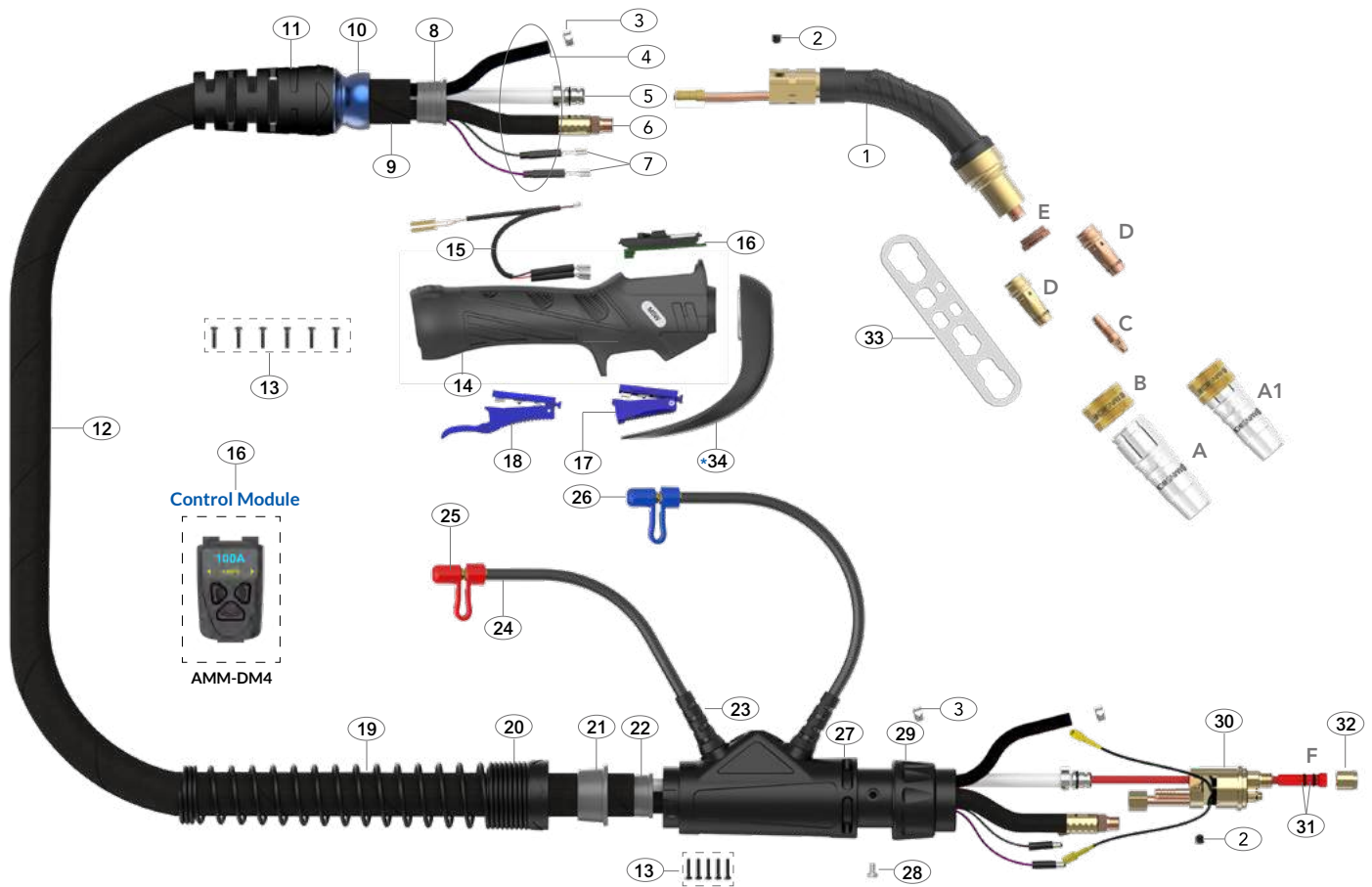
E Tip Adaptor Insulators

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 62-64



Spare Parts

Part Number	Description
1	AM5002 Swan Neck Assembly
2	AM6X5 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

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

Retrofit Option (Not Fitted as Standard)

*34	AM5002HS-KIT	Heat Shield Kit For Standard Handle
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Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 63-64). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

Optional Extra

AMOSWLG	Soft Wire Liner Gasket (See Page 64)
AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit (See Page 64)

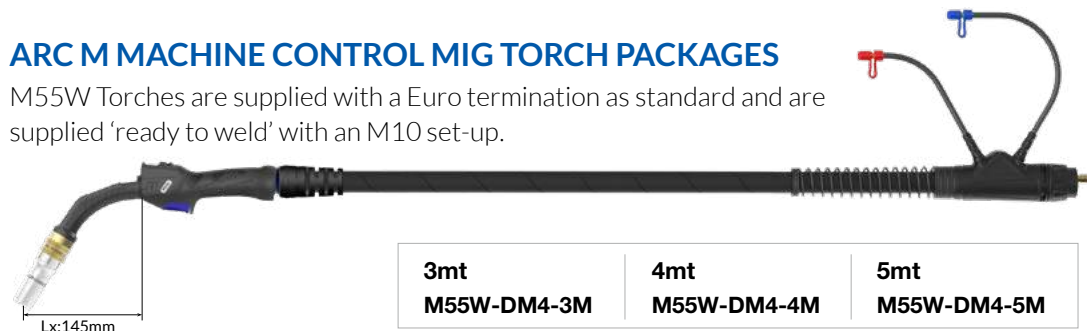
M55W Digital Display Liquid-Cooled Mig Welding Torch

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

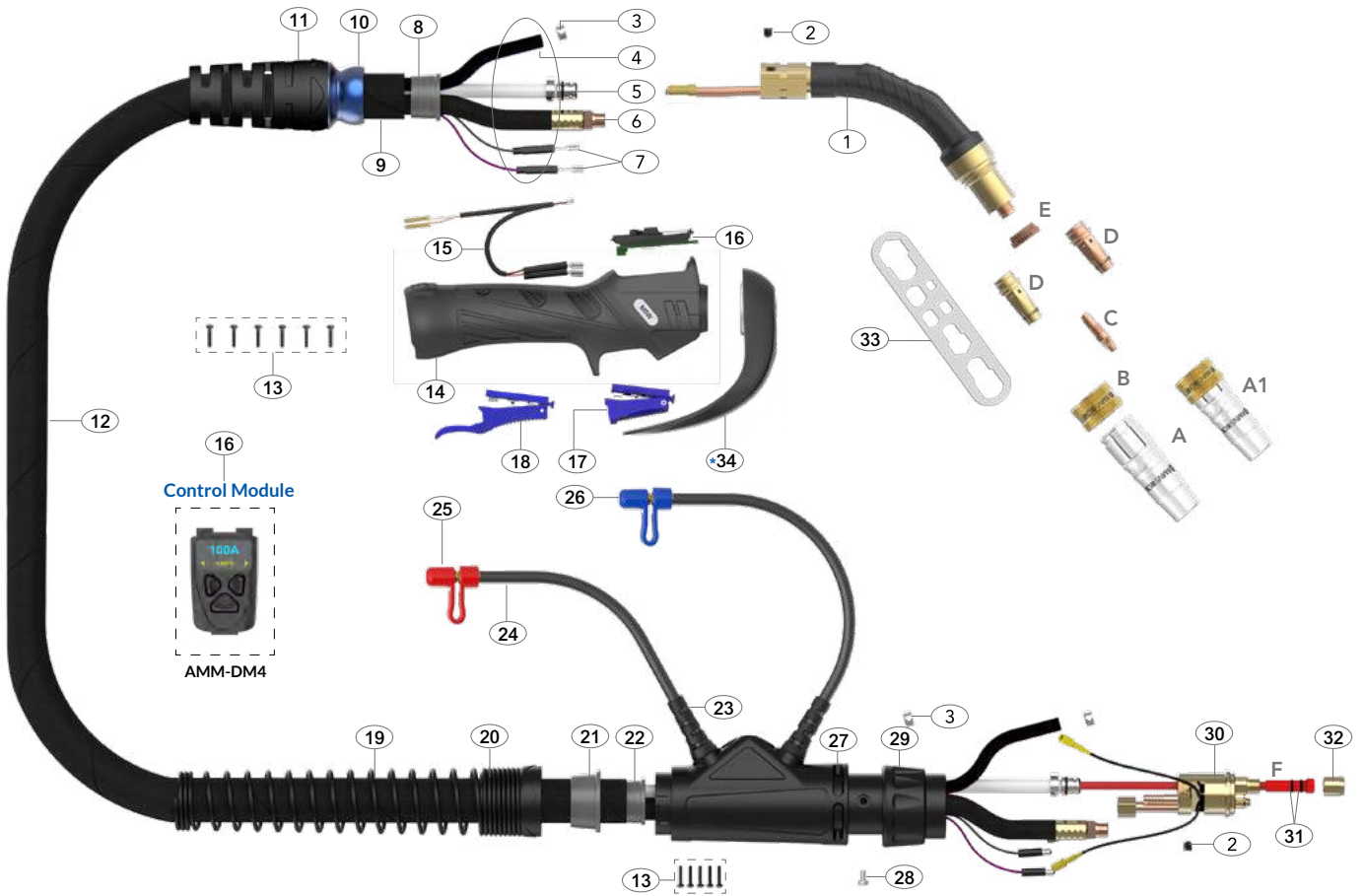
E Tip Adaptor Insulators

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 62-64



Spare Parts

Part Number	Description
1	AM5502 Swan Neck Assembly
2	AM6X5 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

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

Retrofit Option (Not Fitted as Standard)

*34	AM5502HS-KIT	Heat Shield Kit For Standard Handle
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Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 63-64). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

Optional Extra

AMOSWLG	Soft Wire Liner Gasket (See Page 64)
AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit (See Page 64)

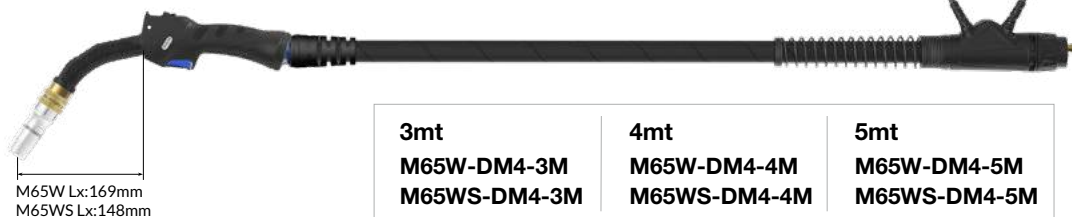
M65W/M65WS Digital Display Liquid-Cooled Mig Welding Torch

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

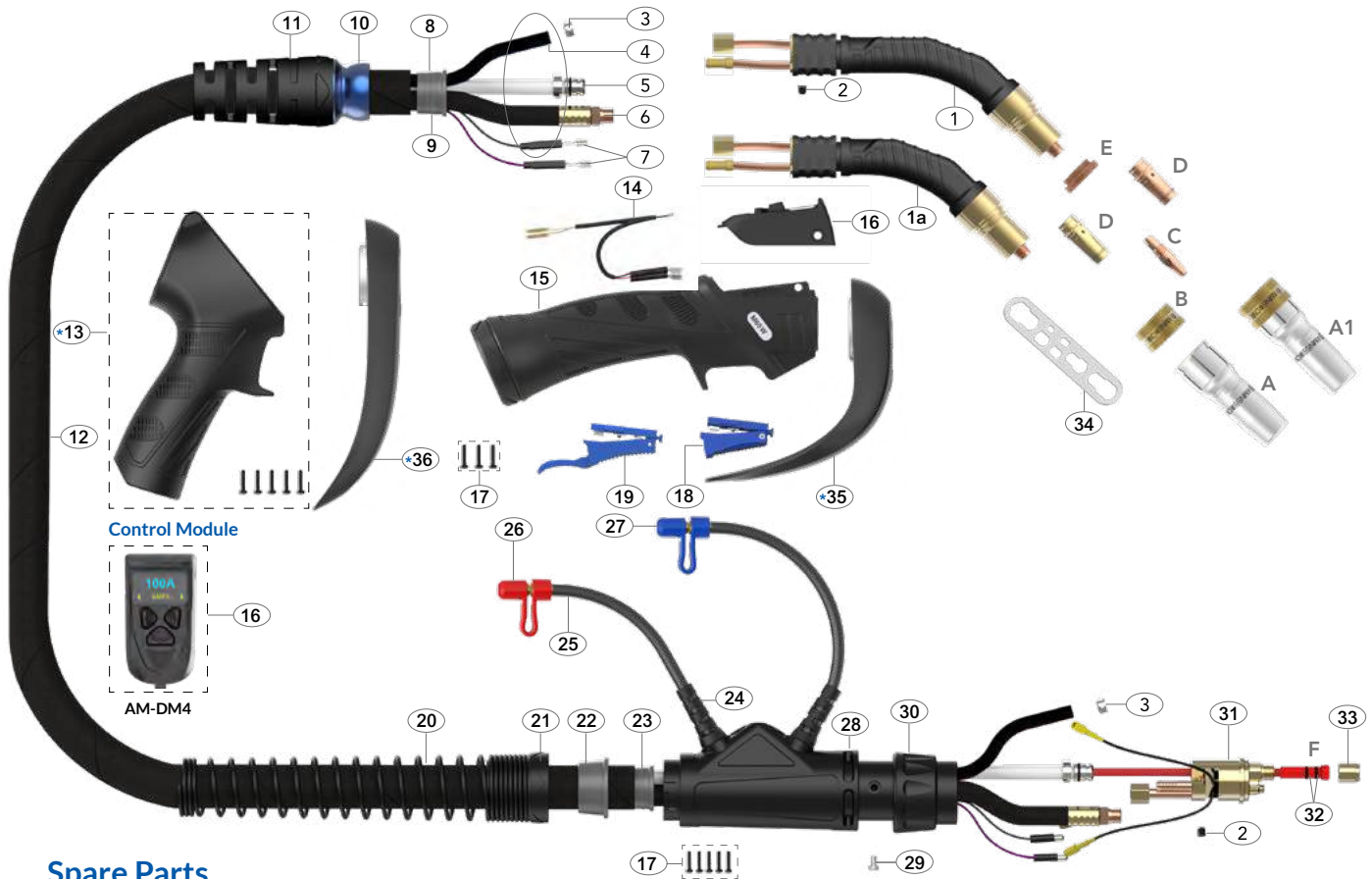
E Tip Adaptor Insulators

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 62-64



Spare Parts

Part Number	Description
1	AM6502 M65W Swan Neck Assembly 45°
1a	AM6502S M65WS Swan Neck Assembly 45°
2	AM6X5 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

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

Retrofit Options (Not Fitted as Standard)

*13	AMMP2515	Pistol Handle Assembly
*35	AM6502HS-KIT	Heat Shield Kit For Standard Handle
*36	AMP6502HS-KIT	Heat Shield Kit For Pistol Handle

Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 63-64). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

Optional Extra

AMOSWLG	Soft Wire Liner Gasket (See Page 64)
AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit (See Page 64)

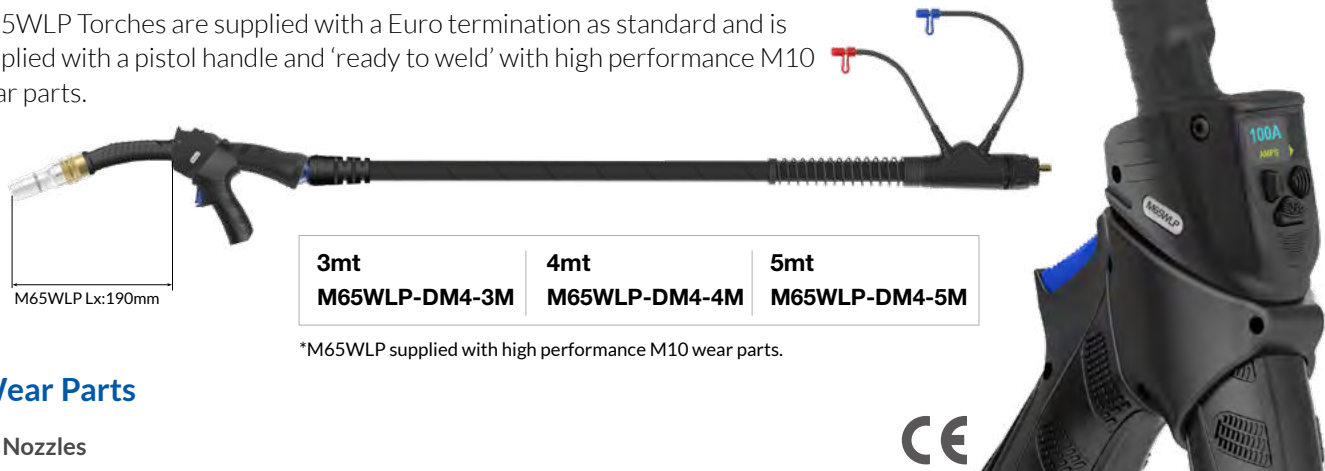
M65WLP Digital Display Liquid-Cooled Mig Welding Torch

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.



3m M65WLP-DM4-3M	4m M65WLP-DM4-4M	5m 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

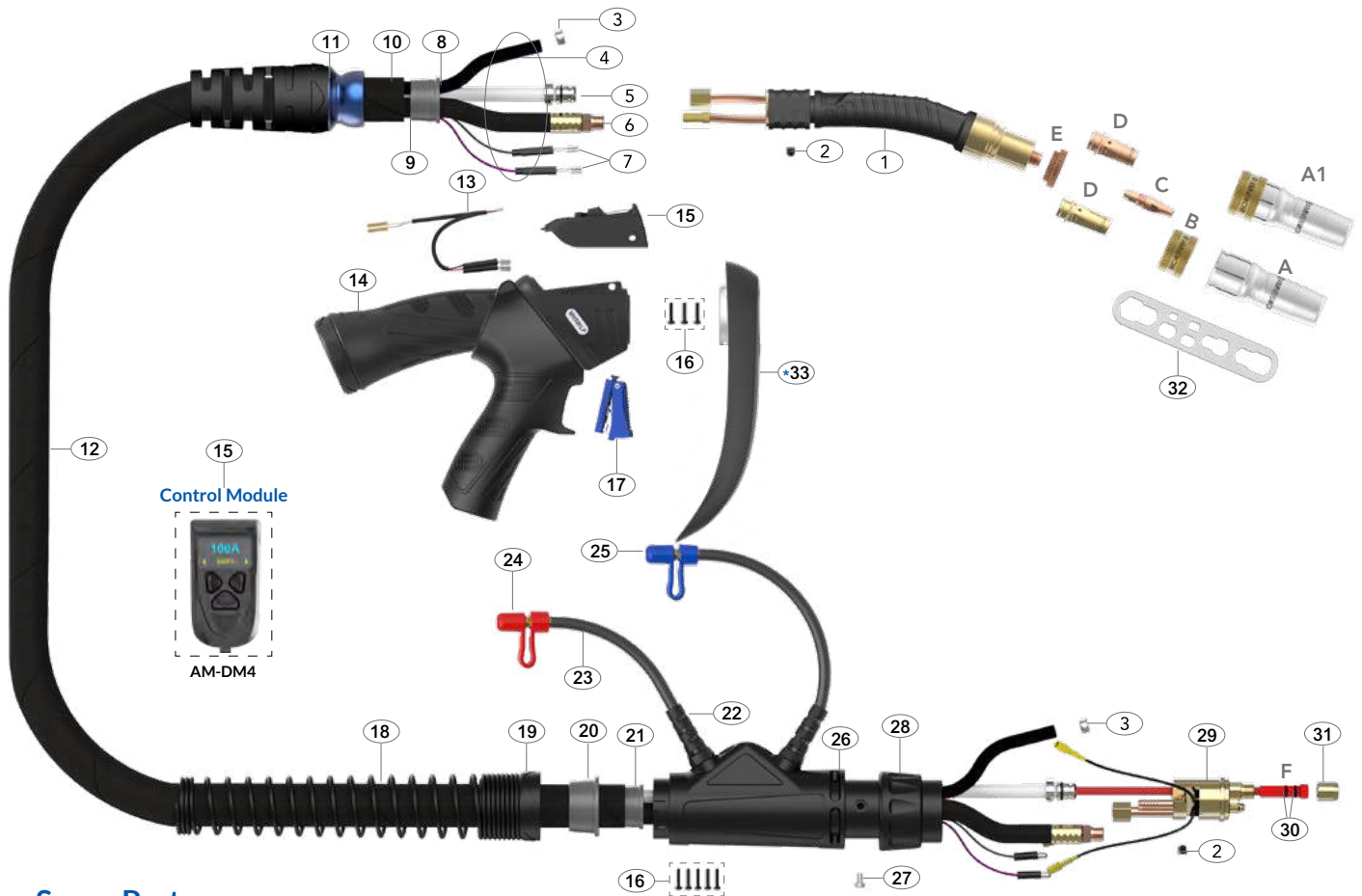
Part Number	Description	Wire Size
• AM6SL-1012-30	Steel Liner x 3mt	1.0-1.2mm
• AM6SL-1012-40	Steel Liner x 4mt	1.0-1.2mm
• AM6SL-1012-50	Steel Liner x 5mt	1.0-1.2mm
AM6SL-16-30	Steel Liner x 3mt	1.6mm
AM6SL-16-40	Steel Liner x 4mt	1.6mm
AM6SL-16-50	Steel Liner x 5mt	1.6mm
AM6SL-20-30	Steel Liner x 3mt	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 62-64

Digital Display Machine Control Series



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Spare Parts

Part Number	Description
1	AM6502P M65WLP Swan Neck Assembly 22°
2	AM6X5 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	AMCW 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 x0.7)
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

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

Retrofit Option (Not Fitted as Standard)

*33	AM6502PHS-KIT	Heat Shield Kit For Pistol Handle
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Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 63-64). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

Optional Extra

AMOSWLG	Soft Wire Liner Gasket (See Page 58)
AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit (See Page 58)

M2 ^{New} Analogue Air-Cooled Mig Welding Torch

Ratings:	230A CO ₂ , 200A mixed gas M21, 110A pulse. EN60974-7 @ 60% duty cycle. 0.8mm-1.2mm wires
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The Arc M2 is the same size as an MB25 yet 20% lighter.
Ideal for 0.8-1.0mm hard wires and industrial environments.
Control of simple machine commands via analogue switches from the torch handle.



ARC M INDUSTRIAL MIG TORCH PACKAGES

M2 Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



3mt M2-AM1-3M M2-AM2-3M	4mt M2-AM1-4M M2-AM2-4M	5mt M2-AM1-5M M2-AM2-5M
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Wear Parts

A Nozzles

Part Number	Description	Bore	Wall	Material
•AM2CN	Conical Nozzle Assembly	15mm	1.9mm	Copper
AM2TN	Tapered Nozzle Assembly	12mm	1.9mm	Copper

B Contact Tips

Part Number	Description	Size (mm)	Wire Size (mm-inch)	Material
AM2CT08	Contact Tip	M8*29.5	0.8 - 0.030	Copper
AM2CT09	Contact Tip	M8*29.5	0.9 - 0.035	Copper
•AM2CT10	Contact Tip	M8*29.5	1.0 - 0.040	Copper
AM2CT12	Contact Tip	M8*29.5	1.2 - 0.045	Copper
AM2CT08A	Contact Tip	M8*29.5	0.8 - 0.030	Copper
AM2CT10A	Contact Tip	M8*29.5	1.0 - 0.040	Copper
AM2CT12A	Contact Tip	M8*29.5	1.2 - 0.045	Copper

C Tip Adaptors

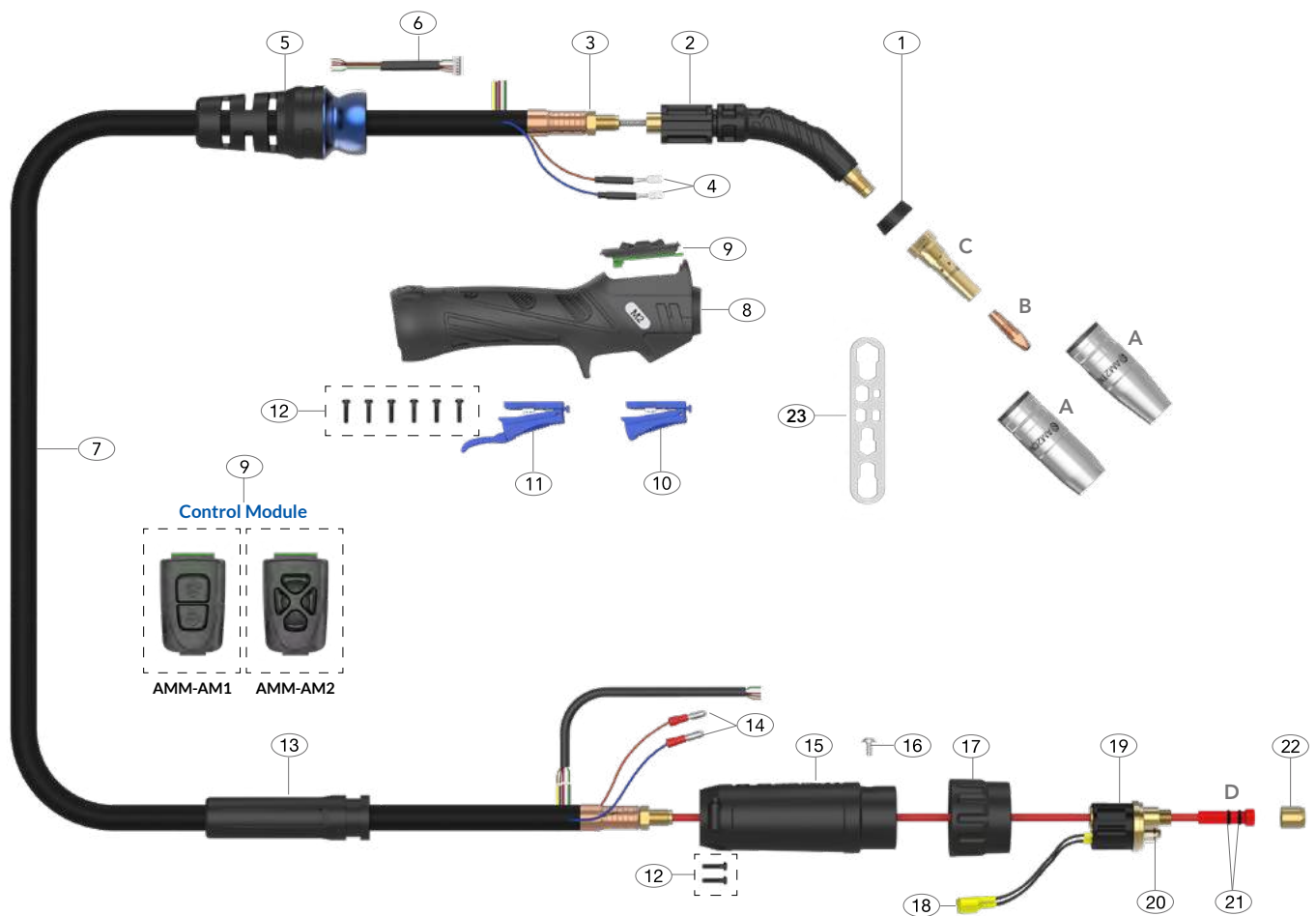
Part Number	Description	Material
•AM2TA	Tip Adaptor	Brass

•Denotes torch package standard wear part set-up

D Liners

Part Number	Description	Wire Size
•AM2524-30	Steel Liner x 3mt	1.0-1.2mm
•AM2524-40	Steel Liner x 4mt	1.0-1.2mm
•AM2524-50	Steel Liner x 5mt	1.0-1.2mm

For alternate liner options please refer to page 53



Spare Parts

Part Number	Description	Part Number	Description
1	AM2AP Neck Insulator	19	AM1528 Hybrid Gun Plug Body c/w Spring Pins
2	AM2001 Swan Neck Assembly	20	AM1524 Gun Plug 'O' Ring
3	AM1505 Lock Nut	21	AMLOR Liner 'O' Ring
4	AM1521 Cable Terminal	22	AM1826 Liner Retaining Nut
5	AM1514 Handle Cable Support c/w Ball Joint	23	AMWS Wear Parts Spanner
6	AMMCWS ConnectorWireAssy		
7	AMM2503-30 Ultraflex Cable Assembly x 3mt		
	AMM2503-40 Ultraflex Cable Assembly x 4mt		
	AMM2503-50 Ultraflex Cable Assembly x 5mt		
8	AMM2514 Handle Kit		
9	AMM-AM1 2 Way Compact Control Module		
	AMM-AM2 4 Way Compact Control Module		
10	AM2516 Microswitch Standard Trigger		
11	AM2516L Microswitch Extended Trigger		
12	AMSP1-1 Screw Pack		
13	AM3641 Cable Support		
14	AM1522 Cable Terminal Male		
15	AM2578H/S Gun Plug Housing		
16	AML1541 Gun Plug Screw		
17	AMC1519/S Gun Plug Nut		
18	AM1523 Gun Plug Terminal Female		

Welding with Soft Wires

For welding with Aluminum wires use a Combi-liner (page 53). Optimum installation is achieved when using the Combi-liner set-up kit.

Optional Extra

AMCLST-KITS Combi-Liner Set-up kit (See Page 64)



Liner Set-up Guide

Always follow the correct liner installation procedure

M4 ^{New} Analogue Air-Cooled Mig Welding Torch

Ratings:	350A CO ₂ , 320A mixed gas M21, EN60974-7 @ 60% duty cycle. 0.9mm-1.2mm wires
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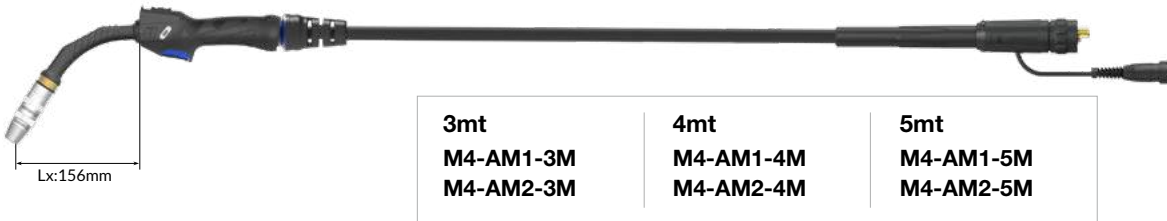
The Arc M4 performance is superior to the Binzel® MB36 and delivers more power than an MB38.

An all-day production torch in solid wire and pulse Mig applications over 300 Amps. Control of simple machine commands via analogue switches from the torch handle.



ARC M MACHINE CONTROL MIG TORCH PACKAGES

M4 Torches are supplied with a Euro termination as standard and are supplied 'ready to weld' with all wear parts fitted.



Wear Parts

Nozzles - 2 Piece

Part Number	Description	Bore	Wall	Material
A AM4HDTN	Tapered Nozzle (Part 2)	13mm	3mm	Copper
•AM4HDCN	Conica Nozzle (Part 2)	15mm	3mm	Copper
AM4HDCYN	Cylindrical Nozzle (Part 2)	21mm	3mm	Copper
A1•AM4HDNI	Nozzle Insulator(Part 1)			Copper

Nozzles - Single Piece

Part Number	Description	Bore	Wall	Material
A2 AM4TN	Tapered Nozzle / Insulator Assy	13mm	2.25mm	Copper
AM4CN	Conical Nozzle / Insulator Assy	15mm	2.25mm	Copper
AM4CYN	Cylindrical Nozzle / Insulator Assy	21mm	2.25mm	Copper

B 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
A Series				
AM6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040	CuCrZr
AM6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045	CuCrZr
AMC6WCT10A	Contact Tip	M10*35.5	1.0 - 0.040	Copper
AMC6WCT12A	Contact Tip	M10*35.5	1.2 - 0.045	Copper

C Tip Adaptors

Part Number	Description	Material
•AM4TAB	Tip Adaptor	Brass
AM4TAC	Tip Adaptor High Performance	CuCrZr

D Liners

Part Number	Description	Wire Size
•AM2524-30	Steel Liner x 3mt	1.0-1.2mm
•AM2524-40	Steel Liner x 4mt	1.0-1.2mm
•AM2524-50	Steel Liner x 5mt	1.0-1.2mm
AM1535-30	Steel Liner x 3mt	0.6-0.9mm
AM1535-40	Steel Liner x 4mt	0.6-0.9mm
AM1535-50	Steel Liner x 5mt	0.6-0.9mm

For alternate liner options please refer to page 62-64

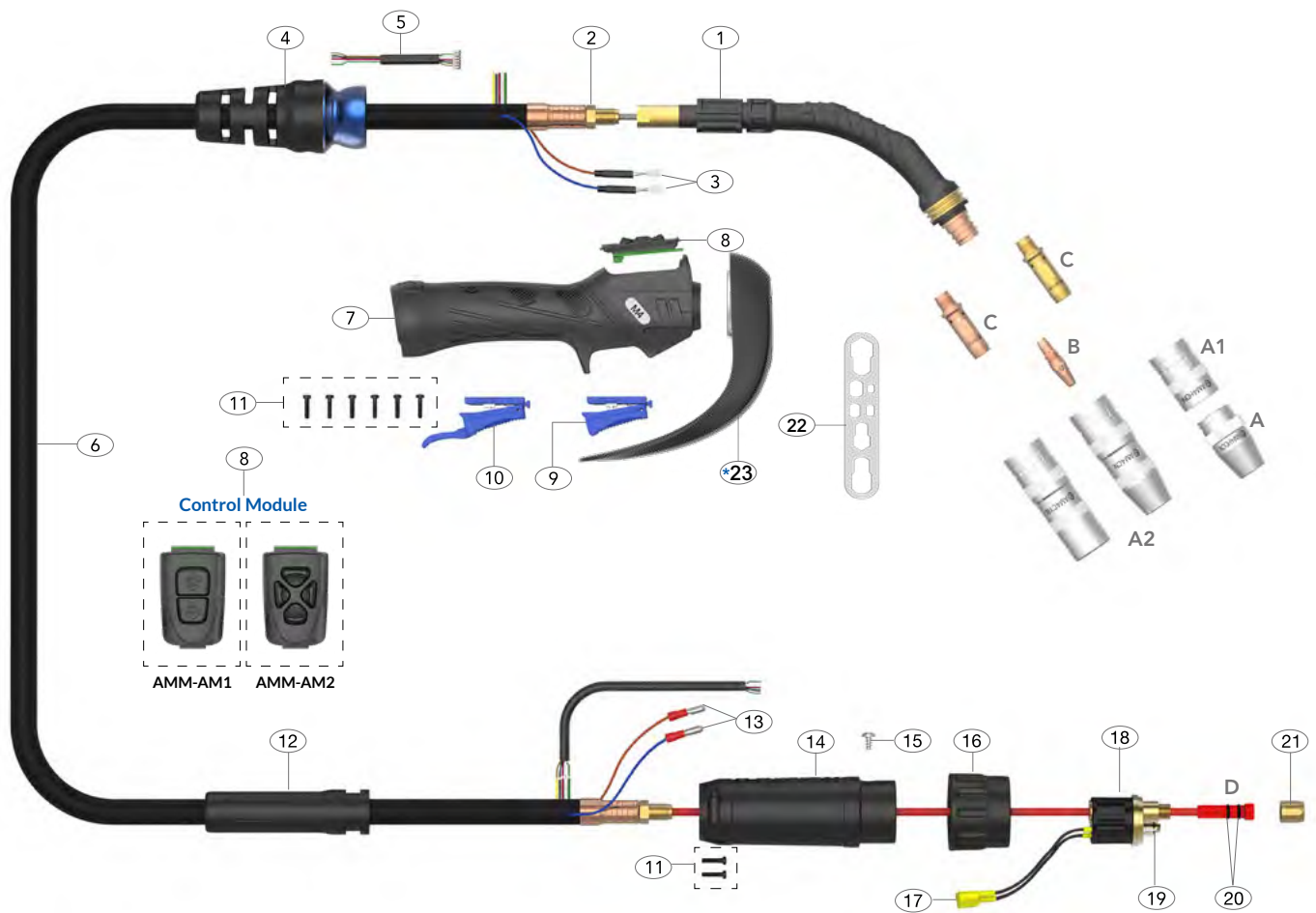
SuperSoft -20 Premium Power Cables
Perfect for extreme subzero working conditions

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Analogue Machine Control Series



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Spare Parts

Part Number	Description
1 AM4001	Swan Neck Assembly
2 AM1505	Lock Nut
3 AM1521	Cable Terminal
4 AM1514	Handle Cable Support c/w Ball Joint
5 AMMCWS	ConnectorWireAssy
6 AMM4003CW-30	Power Cable Assembly x 3mt
AMM4003CW-40	Power Cable Assembly x 4mt
AMM4003CW-50	Power Cable Assembly x 5mt
7 AMM2514	Handle Kit
8 AMM-AM1	2 Way Compact Control Module
AMM-AM2	4 Way Compact Control Module
9 AM2516	Microswitch Standard Trigger
10 AM2516L	Microswitch Extended Trigger
11 AMSP1-1	Screw Pack
12 AMPA3541	Cable Support
13 AM1522	Cable Terminal Male
14 AM2578H/L	Gun Plug Housing
15 AM1526	Gun Plug Screw
16 AMC1519	Gun Plug Nut
17 AM1523	Gun Plug Terminal Female

Part Number	Description
18 AMB1528S	Hybrid Gun Plug Body c/w Spring Pins
19 AM1524	Gun Plug 'O' Ring
20 AMLOR	Liner 'O' Ring
21 AM1826	Liner Retaining Nut
22 AMWS	Wear Parts Spanner

Retrofit Option (Not Fitted as Standard)

*23 AM4001HS-KIT	Heat Shield Kit For Standard Handle
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Welding with Soft Wires

For welding with Aluminum wires use a Combi-Liner (page 63). Optimum installation is achieved when using the Combi-Liner set-up kit.

Optional Extra

AMCLST-KITS	Combi-Liner Set-up kit (See Page 64)
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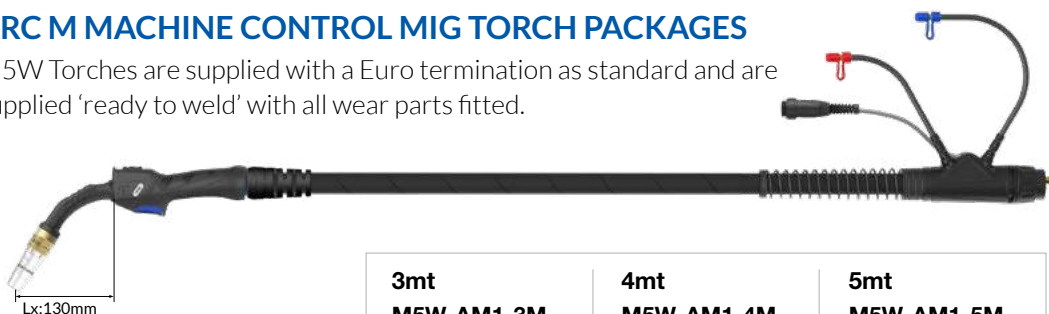
M5W ^{New} Analogue Liquid-Cooled Mig Welding Torch

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 commands via analogue switches from the torch handle.

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.



3mt M5W-AM1-3M M5W-AM2-3M	4mt M5W-AM1-4M M5W-AM2-4M	5mt M5W-AM1-5M M5W-AM2-5M
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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

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

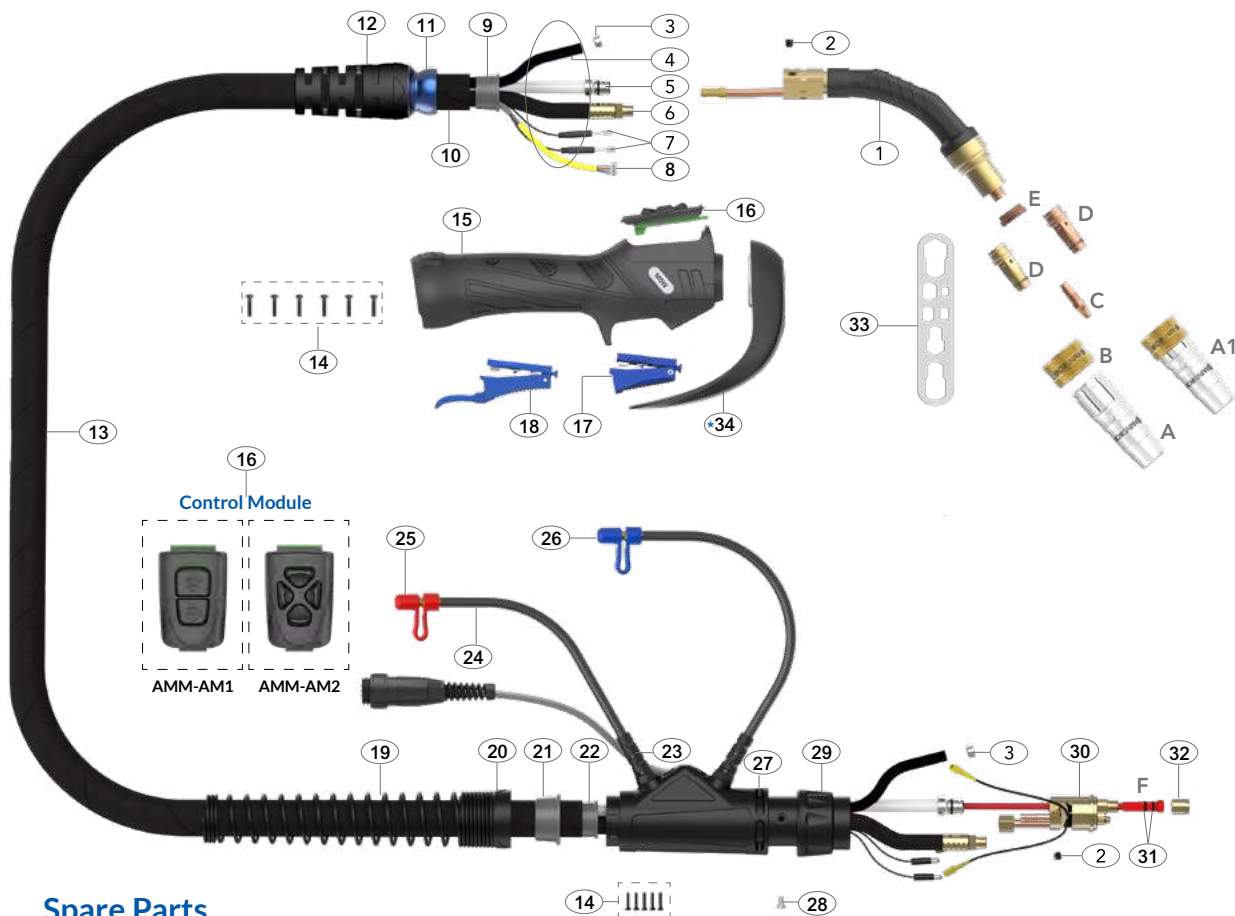
Part Number	Description
•AM5WTAI	Tip Adaptor Insulator

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 62-64

•Denotes torch package standard wear part set-up



Spare Parts

Part Number	Description
1	AM5002 Swan Neck Assembly
2	AM6X5 Outer Liner Retaining Screw
3	AM15400023 Water Hose Clamp 10mm
9	AMS8010 Canvas Cover Retainer
11	AMS3208-1 Ball Joint
12	AMS3208-S Cable Support With Nut
14	AMSP1-1 Screw Pack
15	AMM2514 Compact Handle Kit
16	AMM-AM1 2 Way Compact Control Module AMM-AM2 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

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	AMM5506-30	AMM5506-40	AMM5506-50

Retrofit Option (Not Fitted as Standard)

*34	AM5002HS-KIT	Heat Shield Kit For Standard Handle
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Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 63-64). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

Optional Extra

AMOSWLG	Soft Wire Liner Gasket (See Page 64)
AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit (See Page 64)

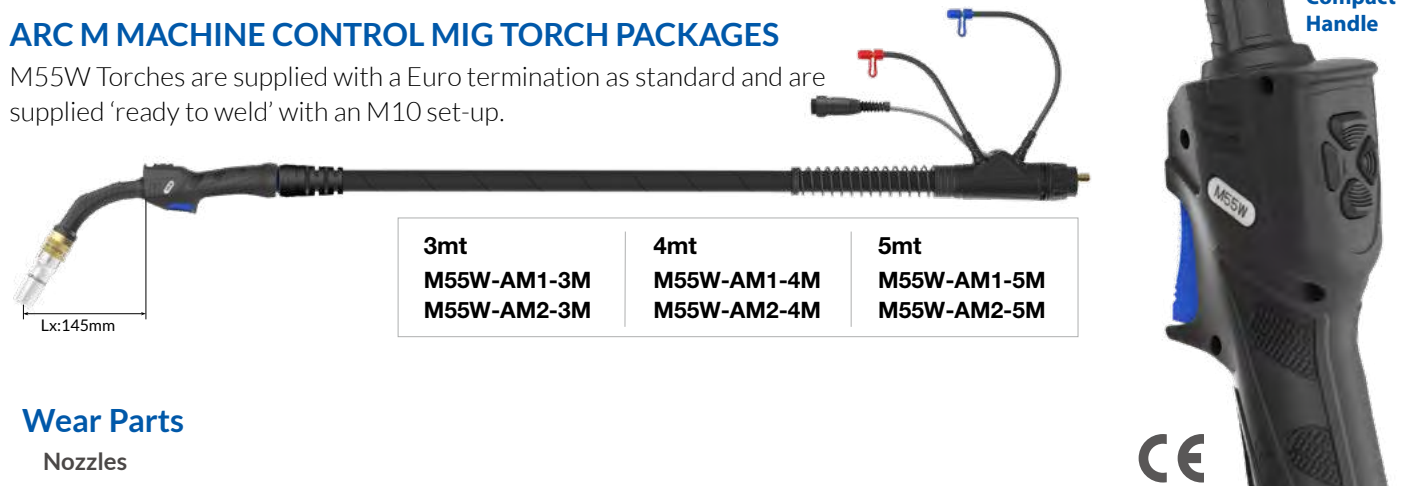
M55W^{New} Analogue Liquid-Cooled Mig Welding Torch

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 commands via analogue switches from the torch handle.

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-AM1-3M M55W-AM2-3M	4mt M55W-AM1-4M M55W-AM2-4M	5mt M55W-AM1-5M M55W-AM2-5M
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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

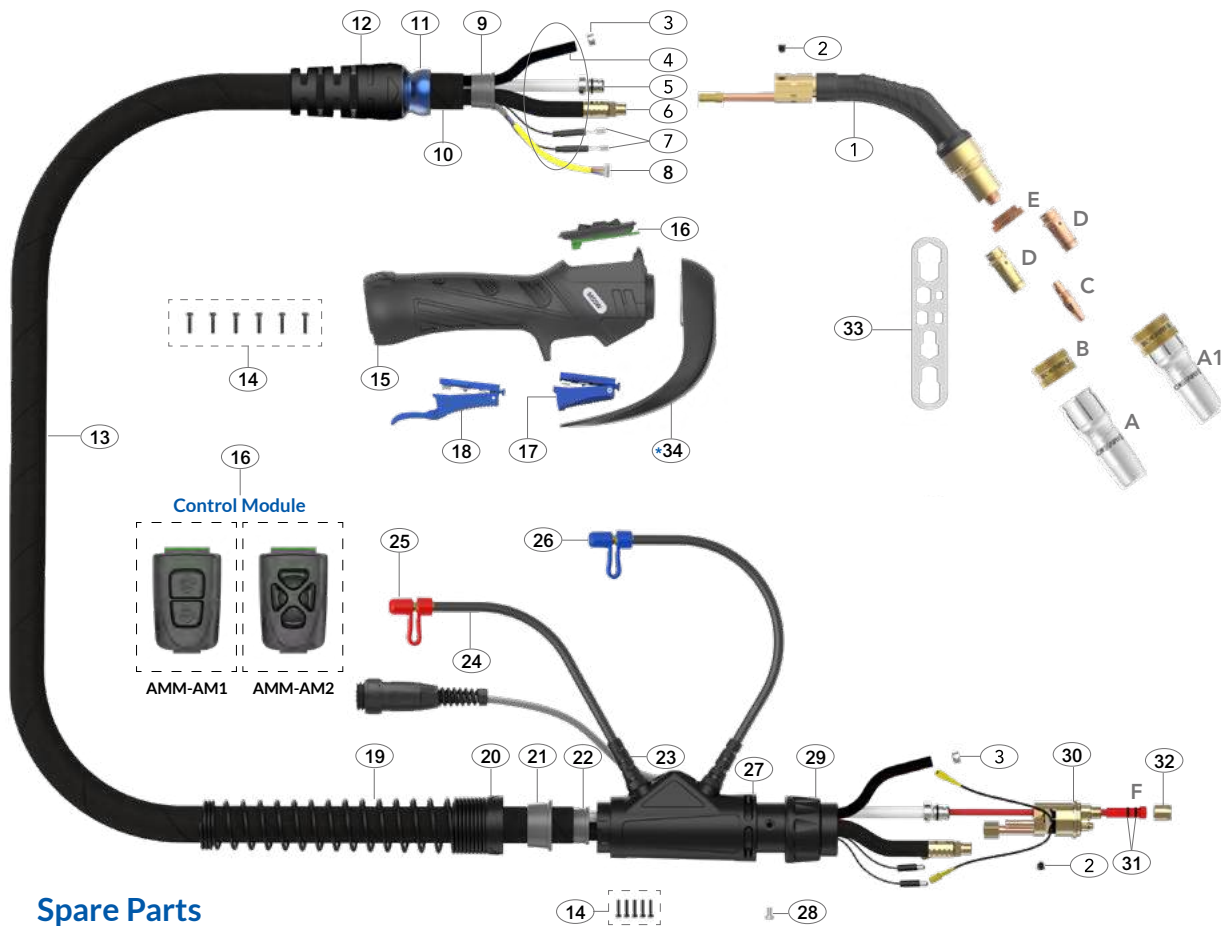
E Tip Adaptor Insulators

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 62-64



Spare Parts

Part Number	Description
1	AM5502 Swan Neck Assembly
2	AM6X5 Outer Liner Retaining Screw
3	AM15400023 Water Hose Clamp 10mm
9	AMS8010 Canvas Cover Retainer
11	AMS3208-1 Ball Joint
12	AMS3208-S Cable Support With Nut
14	AMSP1-1 Screw Pack
15	AMM2514 Compact Handle Kit
16	AMM-AM1 2 Way Compact Control Module AMM-AM2 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

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	AMM5506-30	AMM5506-40	AMM5506-50

Retrofit Option (Not Fitted as Standard)

*34	AM5502HS-KIT Heat Shield Kit For Standard Handle
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Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 63-64). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

Optional Extra

AMOSWLG	Soft Wire Liner Gasket (See Page 64)
AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit (See Page 64)

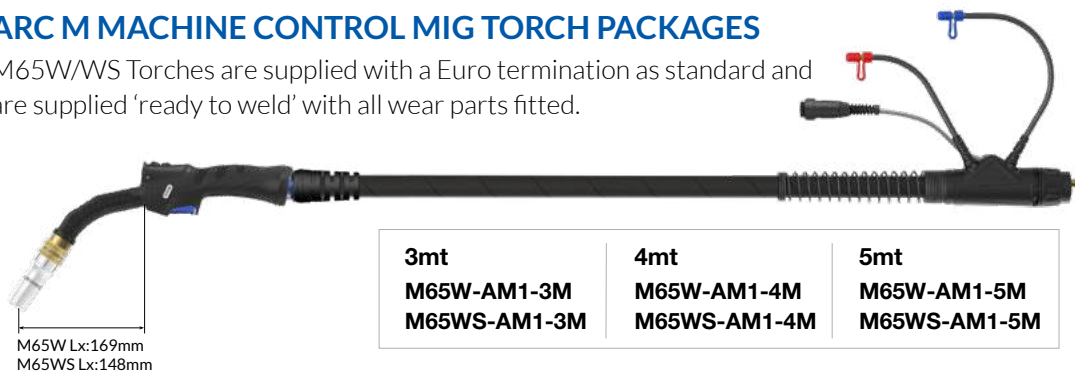
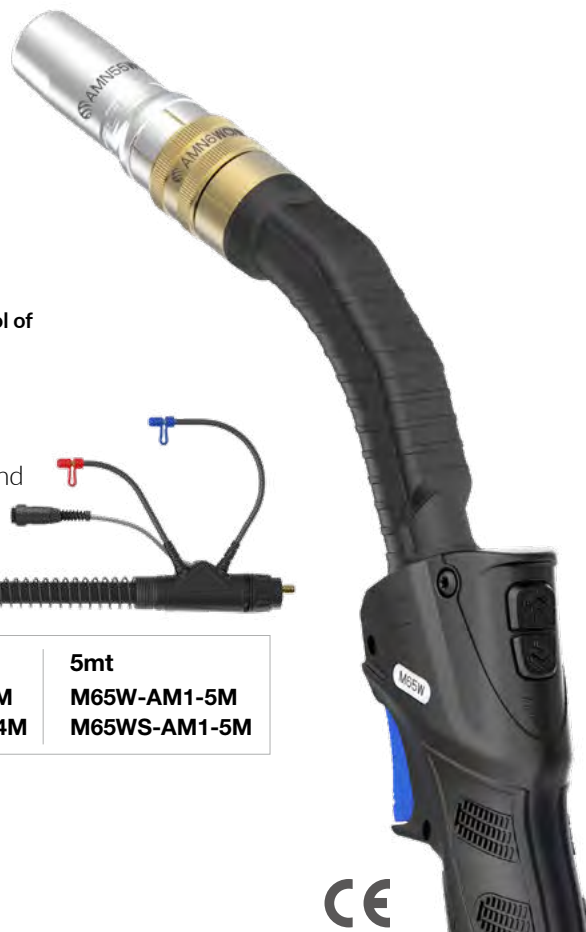
M65W/M65WS Analogue Liquid-Cooled Mig Welding Torch

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.



M65W Lx:169mm
M65WS Lx:148mm

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

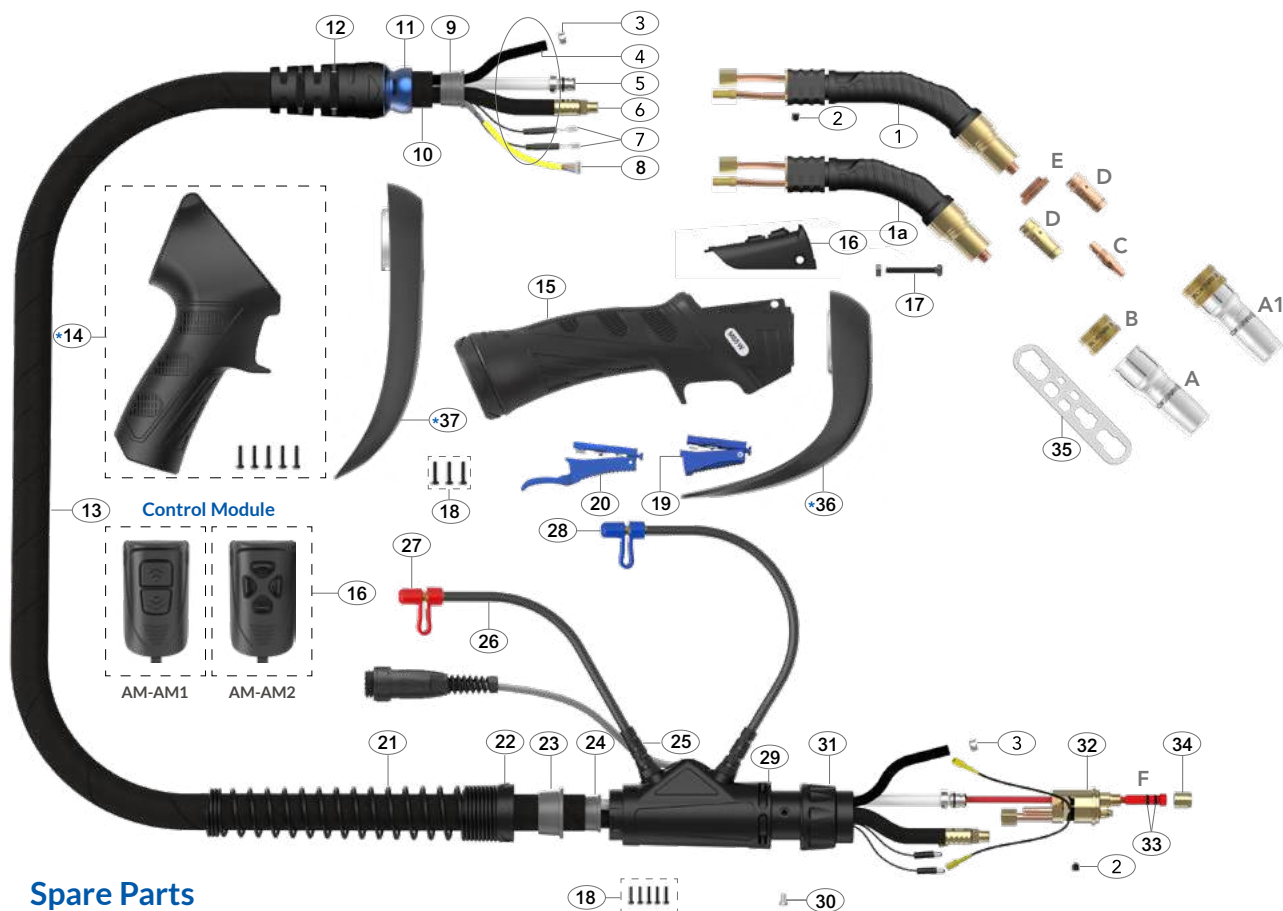
E Tip Adaptor Insulators

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 62-64



Spare Parts

Part Number	Description
1 AM6502	M65W Swan Neck Assembly 45°
1a AM6502S	M65WS Swan Neck Assembly 45°
2 AM6X5	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	2Way Control Module
AM-AM2	4Way 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

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

Retrofit Options (Not Fitted as Standard)

*14 AMMP2515	Pistol Handle Assembly
*36 AM6502HS-KIT	Heat Shield Kit For Standard Handle
*37 AMP6502HS-KIT	Heat Shield Kit For Pistol Handle

Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 63-64). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

Optional Extra

AMOSWLG	Soft Wire Liner Gasket (See Page 64)
AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit (See Page 64)

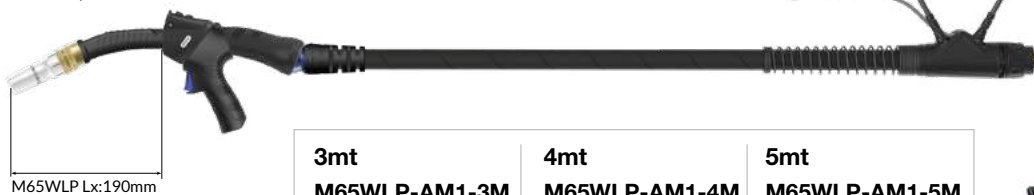
M65WLP Analogue Liquid-Cooled Mig Welding Torch

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

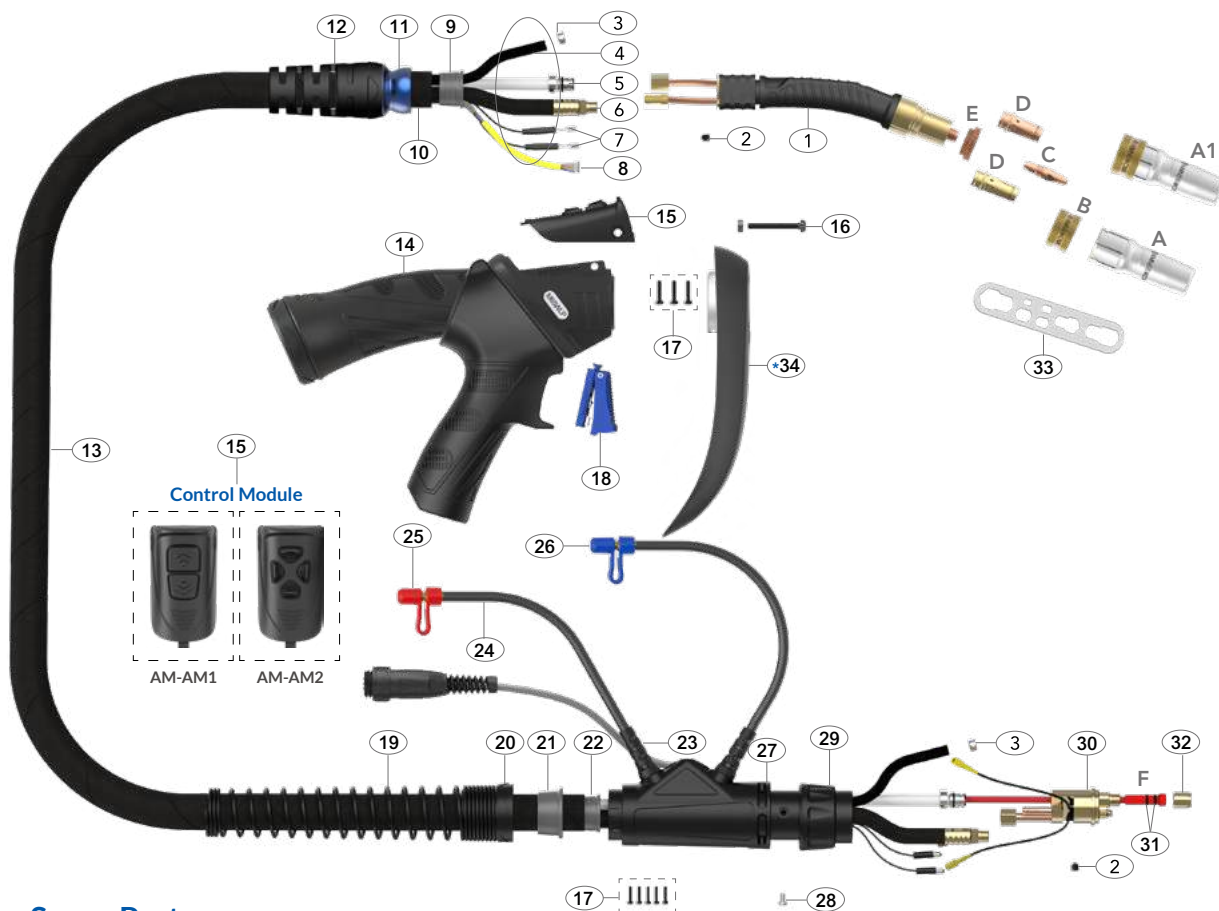
E Tip Adaptor Insulators

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 62-64



Spare Parts

Part Number	Description
1	AM6502P M65WLP Swan Neck Assembly 22°
2	AM6X5 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	AMDMSNS 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

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

Retrofit Option (Not Fitted as Standard)

*34	AM6502PHS-KIT	Heat Shield Kit For Pistol Handle
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Welding with Soft Wires

For welding with Aluminum wires use a Soft Wire / Combi-Liner (page 63-64). Optimum installation is achieved when using the Soft Wire / Combi-Liner set-up kit.

Optional Extra

AMOSWLG	Soft Wire Liner Gasket (See Page 64)
AMOSW-LINER-T	Soft Wire / Combi-Liner Set-up Kit (See Page 64)



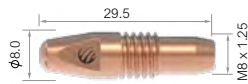
Nozzles

Part No.	Description	Bore	Wall	Material	M2
AM2CN	Conical Nozzle Assembly	15mm	1.9mm	Copper	●
AM2TN	Tapered Nozzle Assembly	12mm	1.9mm	Copper	●

Contact Tips



Part No.	Description	Size mm	Wire Size mm-Inch	Material	M2
Standard Series - Recommended for Fe, Fe-MC/FC Set-up					
AM2CT08	Contact Tip	M8*29.5	0.8-0.030	Copper	●
AM2CT09	Contact Tip	M8*29.5	0.9-0.035	Copper	●
AM2CT10	Contact Tip	M8*29.5	1.0-0.040	Copper	●
AM2CT12	Contact Tip	M8*29.5	1.2-0.045	Copper	●



A Series - Recommended for Aluminium and SS Set-up					
AM2CT08A	Contact Tip	M8*29.5	0.8-0.030	Copper	●
AM2CT10A	Contact Tip	M8*29.5	1.0-0.040	Copper	●
AM2CT12A	Contact Tip	M8*29.5	1.2-0.045	Copper	●

Tip Adaptors



Part No.	Description	Material	M2
AM2TA	Tip Adaptor	Brass	●

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

Liners

Filler Metal

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

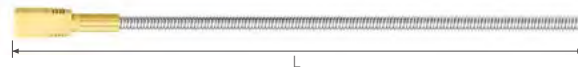
Part No.	Description	Nipple	Wire Size mm	M2
AM1535-30	Steel Liner x 3mt	Moulded Nipple	0.6-0.9	●
AM1535-40	Steel Liner x 4mt	Moulded Nipple	0.6-0.9	●
AM1535-50	Steel Liner x 5mt	Moulded Nipple	0.6-0.9	●



AM2524-30	Steel Liner x 3mt	Moulded Nipple	1.0-1.2	●
AM2524-40	Steel Liner x 4mt	Moulded Nipple	1.0-1.2	●
AM2524-50	Steel Liner x 5mt	Moulded Nipple	1.0-1.2	●



AM2MJL	Neck Jump Liner - Hard Wire(L:170mm)	Brass Nipple	0.8-1.2	●
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Al - Combi Liner Recommended for: Air-Cooled torches, Can be used for SS-MC/FC wires

AM1564-30	Combi-Liner x 3mt	Brass Nipple	0.8-1.2	●
AM1564-40	Combi-Liner x 4mt	Brass Nipple	0.8-1.2	●
AM1564-50	Combi-Liner x 5mt	Brass Nipple	0.8-1.2	●

Note: Uses 4.0mm Wire Guide



Al - Soft Wire Liner Recommended for: Air-Cooled torches, Can be used for SS-MC/FC wires

AM1564A-30	Soft Wire Liner x 3mt	Brass Nipple	0.8-1.2	●
AM1564A-40	Soft Wire Liner x 4mt	Brass Nipple	0.8-1.2	●
AM1564A-50	Soft Wire Liner x 5mt	Brass Nipple	0.8-1.2	●

Note: Uses 4.0mm Wire Guide



AM2MJL-B	Neck Jump Liner - Soft Wire(L:170mm)	Brass Nipple	0.8-1.2	●
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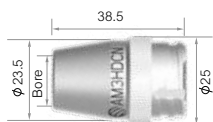


Welding with Soft Wires

For welding with Aluminum wires use a Combi-liner.
Optimum installation is achieved when using the Combi-liner set-up kit.

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

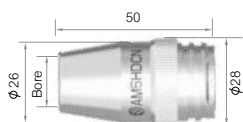
Air-Cooled Nozzles - 2 Piece



Part No.	Description	Bore	Wall	Material	M3	M4	M5	M6
AM3HDTN	Tapered Nozzle	12mm	3mm	Copper	●	●	●	●
AM3HDCN	Conical Nozzle	14mm	3mm	Copper	●	●	●	●
AM3HDCYN	Cylindrical Nozzle	19mm	3mm	Copper	●	●	●	●



AM4HDTN	Tapered Nozzle	13mm	3mm	Copper	●	●	●	●
AM4HDCN	Conical Nozzle	15mm	3mm	Copper	●	●	●	●
AM4HDCYN	Cylindrical Nozzle	21mm	3mm	Copper	●	●	●	●

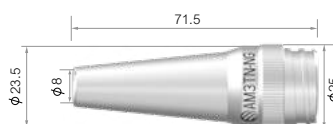


AM5HDTN	Tapered Nozzle	13mm	3.5mm	Copper	●	●	●	●
AM5HDCN	Conical Nozzle	15mm	3.5mm	Copper	●	●	●	●
AM5HDCYN	Cylindrical Nozzle	21mm	3.5mm	Copper	●	●	●	●



AM6HDTN	Tapered Nozzle	13mm	3.5mm	Copper	●	●	●	●
AM6HDCN	Conical Nozzle	15mm	3.5mm	Copper	●	●	●	●
AM6HDCYN	Cylindrical Nozzle	23mm	3.5mm	Copper	●	●	●	●

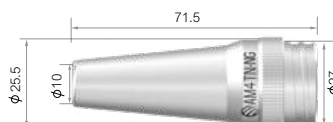
Air-Cooled Narrow Gap Nozzles - 2 Piece



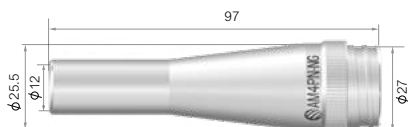
Part No.	Description	Bore	Wall	Material	M3	M4	M5	M6
AM3TN-NG	Tapered Nozzle, Narrow Gap	8mm	2.0mm	Copper	●	●	●	●



Part No.	Description	Bore	Wall	Material	M3	M4	M5	M6
AM3PN-NG	Pipeline Nozzle, Narrow Gap	10mm	2.0mm	Copper	●	●	●	●



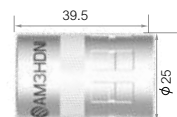
AM4TN-NG	Tapered Nozzle, Narrow Gap	10mm	2.0mm	Copper	●	●	●	●
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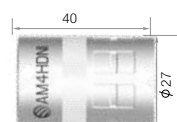
AM4PN-NG	Pipeline Nozzle, Narrow Gap	12mm	2.0mm	Copper	●	●	●	●
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● Standard wear part range ● Torch package standard wear part set-up

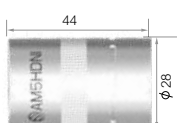
Air-Cooled Insulator - 2 Piece Nozzle



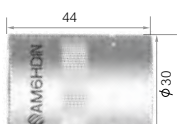
AM3HDNI	Nozzle Insulator	● ● ● ●
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AM4HDNI	Nozzle Insulator	● ● ● ●
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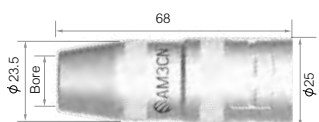


AM5HDNI	Nozzle Insulator	● ● ● ●
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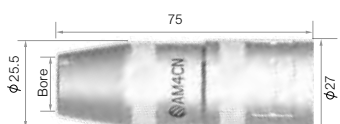


AM6HDNI	Nozzle Insulator	● ● ● ●
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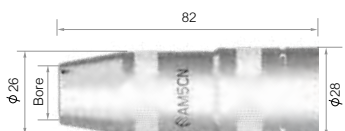
Air-Cooled Nozzles - Single Piece



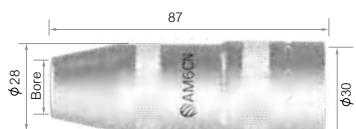
Part No.	Description	Bore	Wall	Material	M3	M4	M5	M6
AM3TN	Tapered Nozzle / Insulator Assy	12mm	2.25mm	Copper	●	●	●	●
AM3CN	Conical Nozzle / Insulator Assy	14mm	2.25mm	Copper	●	●	●	●
AM3CYN	Cylindrical Nozzle / Insulator Assy	19mm	2.25mm	Copper	●	●	●	●



AM4TN	Tapered Nozzle / Insulator Assy	13mm	2.25mm	Copper	●	●	●	●
AM4CN	Conical Nozzle / Insulator Assy	15mm	2.25mm	Copper	●	●	●	●
AM4CYN	Cylindrical Nozzle / Insulator Assy	21mm	2.25mm	Copper	●	●	●	●



AM5TN	Tapered Nozzle / Insulator Assy	13mm	2.5mm	Copper	●	●	●	●
AM5CN	Conical Nozzle / Insulator Assy	15mm	2.5mm	Copper	●	●	●	●
AM5CYN	Cylindrical Nozzle / Insulator Assy	21mm	2.5mm	Copper	●	●	●	●



AM6TN	Tapered Nozzle / Insulator Assy	13mm	2.5mm	Copper	●	●	●	●
AM6CN	Conical Nozzle / Insulator Assy	15mm	2.5mm	Copper	●	●	●	●
AM6CYN	Cylindrical Nozzle / Insulator Assy	23mm	2.5mm	Copper	●	●	●	●

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

Liquid-Cooled 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	●	●	●	●

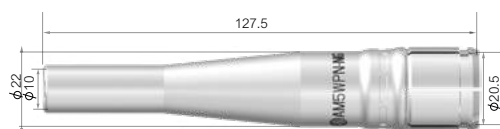


AMN55WCN	Conical / Insulator Assy	15mm	3.0mm	Copper	●	●	●	●
AMN55WTN	Tapered / Insulator Assy	13mm	3.0mm	Copper	●	●	●	●
AMN55WCYN	Cylindrical / Insulator Assy	17mm	3.0mm	Copper	●	●	●	●

Liquid-Cooled Narrow Gap Nozzles - Separate



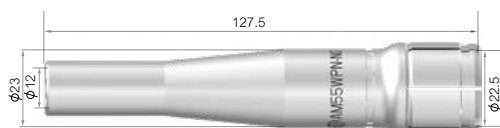
Part No.	Description	Bore	Wall	Material	M5W	M55W	M65W/WS	M65WLP
AM5WTN-NG	Tapered Nozzle Assy, Narrow Gap	8mm	2.0mm	Copper	●	●	●	●



AM5WPN-NG	Pipeline Nozzle Assy, Narrow Gap	10mm	2.0mm	Copper	●	●	●	●
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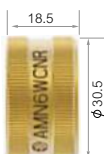
AM55WTN-NG	Tapered Nozzle Assy, Narrow Gap	10mm	2.0mm	Copper	●	●	●	●
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AM55WPN-NG	Pipeline Nozzle Assy, Narrow Gap	12mm	2.0mm	Copper	●	●	●	●
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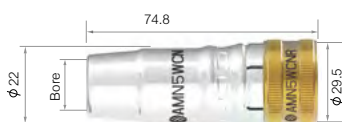
● Standard wear part range ● Torch package standard wear part set-up

Nozzle Retaining Rings

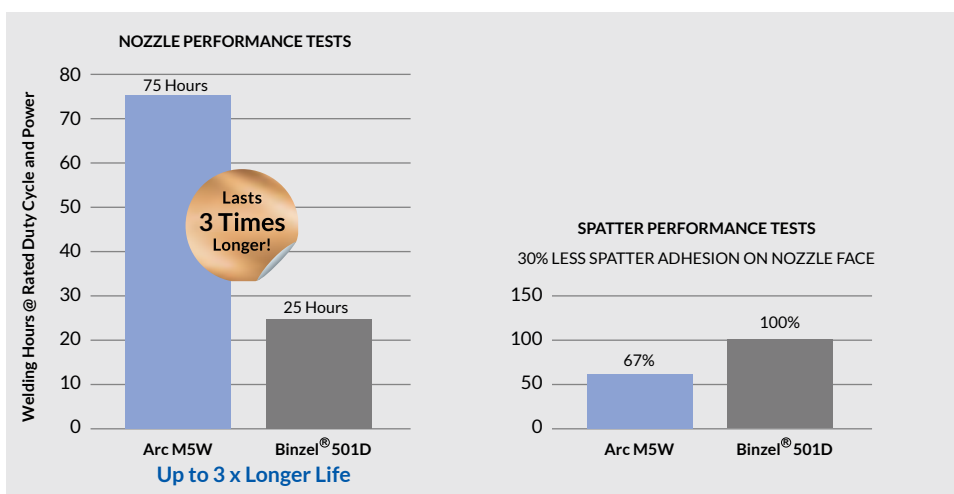


Part No.	Description	Size	Material	M5W M55W M65W/WS M65WLP
AMN5WCNR	Nozzle Retaining Ring	29.5mm	Brass	● ○ ○ ○
AMN6WCNR	Nozzle Retaining Ring	30.5mm	Brass	○ ● ● ●

Liquid-Cooled Nozzles -Complete



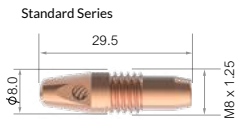
Part No.	Description	M5W M55W M65W/WS M65WLP
AMN5WCN-C	Conical Nozzle c/w Insulator and Retaining Ring	● ○ ○ ○
AMN5WTN-C	Tapered Nozzle c/w Insulator and Retaining Ring	● ○ ○ ○
AMN5WCYN-C	Cylindrical Nozzle c/w Insulator and Retaining Ring	● ○ ○ ○
AMN55WCN-C	Conical Nozzle c/w Insulator and Retaining Ring	○ ● ● ●
AMN55WTN-C	Tapered Nozzle c/w Insulator and Retaining Ring	○ ● ● ●
AMN55WCYN-C	Cylindrical Nozzle c/w Insulator and Retaining Ring	○ ● ● ●



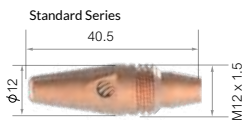
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○ Standard wear part range ● Torch package standard wear part set-up

Contact Tips



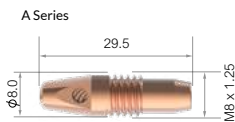
Part No.	Description	Size mm	Wire Size mm-inch	Material	Wire Type	M3 Air-Cooled	M4	M5	M6	M5W Liquid-Cooled	M55W	M65W/WS	M65WLP
Standard Series - Recommended for Fe, Fe-MC/FC Set-up													
AM5CT09	Contact Tip	M8*29.5	0.9-0.035	CuCrZr		●	●	●	●	●	●	●	●
AM5CT10	Contact Tip	M8*29.5	1.0-0.040	CuCrZr	Fe, Fe-FC/MC	●	●	●	●	●	●	●	●
AM5CT12	Contact Tip	M8*29.5	1.2-0.045	CuCrZr	SS,SS-FC/MC	●	●	●	●	●	●	●	●
AM5CT14	Contact Tip	M8*29.5	1.4-0.055	CuCrZr	upto 1.2mm	●	●	●	●	●	●	●	●
AM5CT16	Contact Tip	M8*29.5	1.6-0.063	CuCrZr		●	●	●	●	●	●	●	●



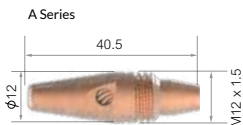
Standard Series - Recommended for Fe, Fe-MC/FC Set-up													
AM6CT09	Contact Tip	M12*40.5	0.9-0.035	CuCrZr		●	●	●	●	●	●	●	●
AM6CT10	Contact Tip	M12*40.5	1.0-0.040	CuCrZr		●	●	●	●	●	●	●	●
AM6CT12	Contact Tip	M12*40.5	1.2-0.045	CuCrZr	Fe, Fe-FC/MC	●	●	●	●	●	●	●	●
AM6CT14	Contact Tip	M12*40.5	1.4-0.055	CuCrZr	SS,SS-FC/MC	●	●	●	●	●	●	●	●
AM6CT16	Contact Tip	M12*40.5	1.6-0.063	CuCrZr	upto 1.2mm	●	●	●	●	●	●	●	●
AM6CT20	Contact Tip	M12*40.5	2.0-0.080	CuCrZr		●	●	●	●	●	●	●	●



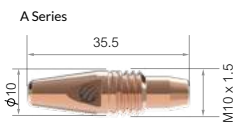
Standard Series - Recommended for Fe, Fe-MC/FC Set-up													
AM6WCT09	Contact Tip	M10*35.5	0.9-0.035	CuCrZr		●	●	●	●	●	●	●	●
AM6WCT10	Contact Tip	M10*35.5	1.0-0.040	CuCrZr		●	●	●	●	●	●	●	●
AM6WCT12	Contact Tip	M10*35.5	1.2-0.045	CuCrZr	Fe, Fe-FC/MC	●	●	●	●	●	●	●	●
AM6WCT14	Contact Tip	M10*35.5	1.4-0.055	CuCrZr	SS,SS-FC/MC	●	●	●	●	●	●	●	●
AM6WCT16	Contact Tip	M10*35.5	1.6-0.063	CuCrZr	upto 1.2mm	●	●	●	●	●	●	●	●
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		●	●	●	●	●	●	●	●
AM5CT12A	Contact Tip	M8*29.5	1.2-0.045	CuCrZr		●	●	●	●	●	●	●	●
AM5CT16A	Contact Tip	M8*29.5	1.6-0.063	CuCrZr	Aluminium	●	●	●	●	●	●	●	●
AM2CT10A	Contact Tip	M8*29.5	1.0-0.040	Copper	SS,SS-FC/MC	●	●	●	●	●	●	●	●
AM2CT12A	Contact Tip	M8*29.5	1.2-0.045	Copper	upto 1.6mm	●	●	●	●	●	●	●	●



A Series - Recommended for Aluminium and SS Set-up													
AM6CT10A	Contact Tip	M12*40.5	1.0-0.040	CuCrZr		●	●	●	●	●	●	●	●
AM6CT12A	Contact Tip	M12*40.5	1.2-0.045	CuCrZr		●	●	●	●	●	●	●	●
AM6CT16A	Contact Tip	M12*40.5	1.6-0.063	CuCrZr	Aluminium	●	●	●	●	●	●	●	●
AM6CT20A	Contact Tip	M12*40.5	1.0-0.040	CuCrZr	SS, SS-FC/MC	●	●	●	●	●	●	●	●
AMC6CT10A	Contact Tip	M12*40.5	1.2-0.045	Copper	upto 1.6mm	●	●	●	●	●	●	●	●
AMC6CT12A	Contact Tip	M12*40.5	2.0-0.080	Copper		●	●	●	●	●	●	●	●



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

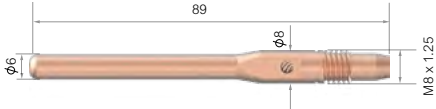
● Standard wear part range ● Torch package standard wear part set-up

Narrow Gap Contact Tips

Part No.	Description	Size mm	Wire Size mm-Inch	Material	M3 Air-Cooled	M4	M5	M6	M5W Liquid-Cooled	M55W	M65W/WS	M65WLP
A Series - Recommended for Aluminium and SS Set-up												
AM5CT10T	Contact Tip	M8*63.5mm	1.0-0.040	CuCrZr	●	●	●	●	●	●	●	●
AM5CT12T	Contact Tip	M8*63.5mm	1.2-0.045	CuCrZr	●	●	●	●	●	●	●	●



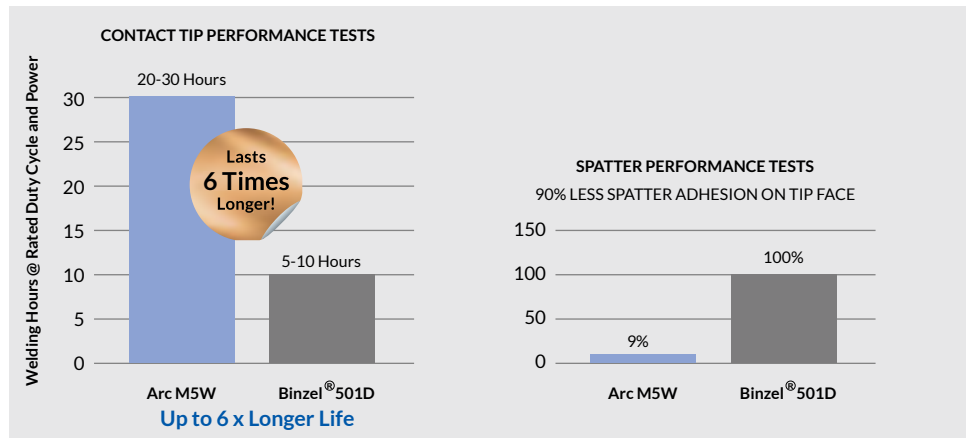
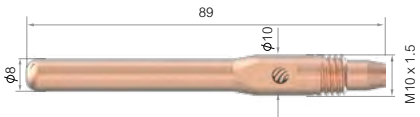
A Series - Recommended for Aluminium and SS Set-up												
AM5CT10L	Contact Tip	M8*89mm	1.0-0.040	CuCrZr	●	●	●	●	●	●	●	●
AM5CT12L	Contact Tip	M8*89mm	1.2-0.045	CuCrZr	●	●	●	●	●	●	●	●



A Series - Recommended for Aluminium and SS Set-up												
AM6WCT10T	Contact Tip	M10*63.5mm	1.0-0.040	CuCrZr	●	●	●	●	●	●	●	●
AM6WCT12T	Contact Tip	M10*63.5mm	1.2-0.045	CuCrZr	●	●	●	●	●	●	●	●



A Series - Recommended for Aluminium and SS Set-up												
AM6WCT10L	Contact Tip	M10*89mm	1.0-0.040	CuCrZr	●	●	●	●	●	●	●	●
AM6WCT12L	Contact Tip	M10*89mm	1.2-0.045	CuCrZr	●	●	●	●	●	●	●	●



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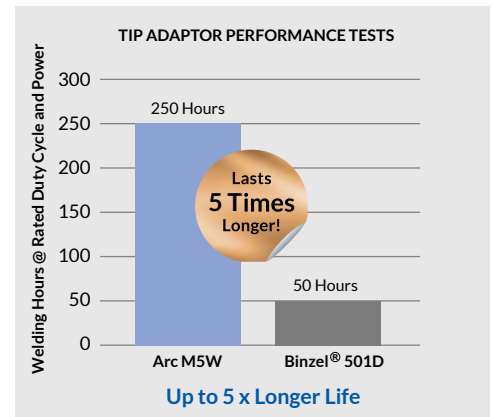
● Standard wear part range ● Torch package standard wear part set-up

Tip Adaptors

Part No.	Description	Length	Material	Transfer	Amps / Pulse	M3 Air-Cooled	M4	M5	M6	M5W Liquid-Cooled	M65W/WS	M65WLP
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	●	●	●	●	●	●	●

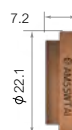


AM6OSWTAB-20	Tip Adaptor 2.0mm Recess	36.0mm	Brass	Short Circuit	<200A Low Current Pulse	●	●	●	●	●	●	●
AM6OSWTAB-45	Tip Adaptor 4.5mm Recess	33.5mm	Brass	Spray	>200A High Current Pulse	●	●	●	●	●	●	●



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Tip Adaptor Insulators



Part No.	Description	M5W	M55W	M65W/WS	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



MAKE WORK
LIFE EASIER

Liners

Filler Metal

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

Part No.	Description	Nipple	Wire Size mm	M3 Air-Cooled	M4	M5	M6	M5W Liquid-Cooled	M55W	M65W/WS	M65WLP
AM1535-30	Steel Liner x 3mt	Moulded Nipple	0.6-0.9	●	●	●	●	●	●	●	●
AM1535-40	Steel Liner x 4mt	Moulded Nipple	0.6-0.9	●	●	●	●	●	●	●	●
AM1535-50	Steel Liner x 5mt	Moulded Nipple	0.6-0.9	●	●	●	●	●	●	●	●



AM2524-30	Steel Liner x 3mt	Moulded Nipple	1.0-1.2	●	●	●	●	●	●	●	●
AM2524-40	Steel Liner x 4mt	Moulded Nipple	1.0-1.2	●	●	●	●	●	●	●	●
AM2524-50	Steel Liner x 5mt	Moulded Nipple	1.0-1.2	●	●	●	●	●	●	●	●



Filler Metal Fe, Fe-MC/FC

Steel Liner Recommended for: Light and medium duty applications

Part No.	Description	Contact Tip	Wire Size mm	M3 Air-Cooled	M4	M5	M6	M5W Liquid-Cooled	M55W	M65W/WS	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	●	●	●	●	●	●	●	●



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

Liners

Filler Metal SS, SS-MC/FC

Stainless Steel Liner Recommended for: Heavy Duty Fe. High amperages and heavy deposition welding

Part No.	Description	Contact Tip	Wire Size mm	M3 Air-Cooled	M4	M5	M6	M5W Liquid-Cooled	M55W	M65W/WS	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	●	●	●	●	●	●	●	●



Filler Metal AlMg

Al - Combi Liner Recommended for: Air-Cooled torches, Can be used for SS-MC/FC wires

Part No.	Description	Contact Tip	Wire Size mm	M3 Air-Cooled	M4	M5	M6	M5W Liquid-Cooled	M55W	M65W/WS	M65WLP
AM1564-30	Combi-Liner x 3mt	A Series	0.8-1.2	●	●	●	●	●	●	●	●
AM1564-40	Combi-Liner x 4mt	A Series	0.8-1.2	●	●	●	●	●	●	●	●
AM1564-50	Combi-Liner x 5mt	A Series	0.8-1.2	●	●	●	●	●	●	●	●



Al - Combi Liner Recommended for: Liquid-Cooled torches and frequent /repetitive arc starts

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	●	●	●	●	●	●	●	●



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

Liners

Filler Metal AlMg

Al - Combi Liner Recommended for: Liquid-Cooled torches and frequent /repetitive arc starts

Part No.	Description	Contact Tip	Wire Size mm	M3 Air-Cooled	M4	M5	M6	M5W Liquid-Cooled	M55W	M65W/WS	M65WLP
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	●	●	●	●	●	●	●	●



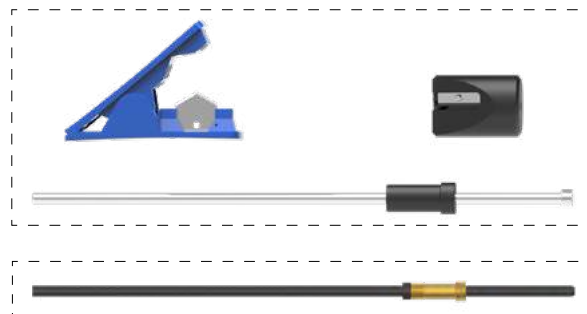
Filler Metal AlMg

Al - Soft Wire Liner Recommended for: Liquid-Cooled torches, AISi, Pure Al and copper wires

Part No.	Description	Contact Tip	Wire Size mm	M3 Air-Cooled	M4	M5	M6	M5W Liquid-Cooled	M55W	M65W/WS	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			●	●	●	●	●	●	●	●
AMCLST-KITS	Combi-Liner Set-up kit			●	●	●	●	●	●	●	●
AMOSWLG	Soft Wire Liner Gasket			●	●	●	●	●	●	●	●



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

RETROFIT HEATSHIELD

The Retrofit Heatshield offers optimal protection for the welder's hand in situations where there is a high degree of reflected heat.

The Heatshield easily snaps into place and can be adjusted through 360 degrees to provide hand protection in hard-to-reach areas.

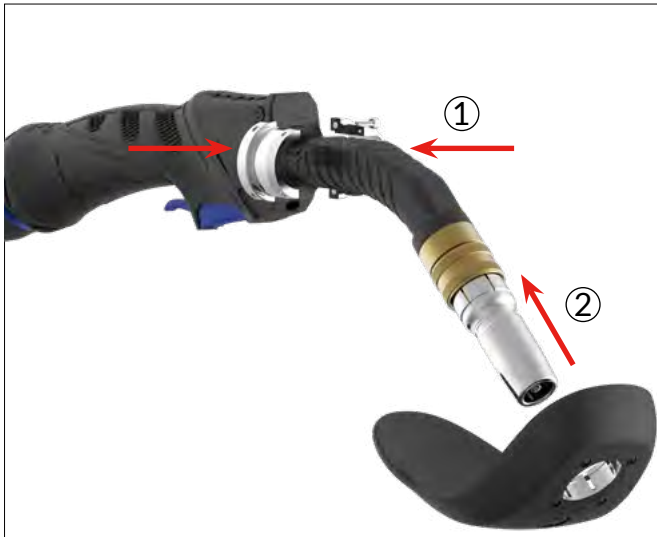
Standard Style



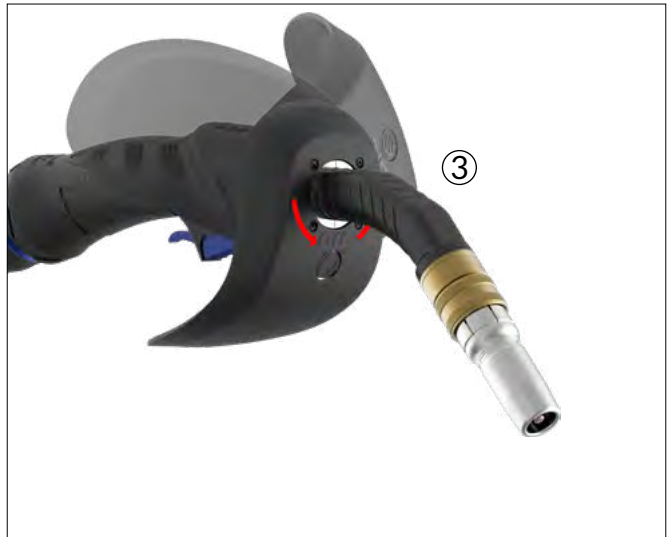
Pistol Grip Style



Installation



1. Attach Heat Shield Holder to the swan neck, tighten with allen key.
2. Slide the Heatshield along the swan neck. Once you hear a click it is installed correctly.



3. The heat shield can be adjusted 360° around the heat shield holder according to the user's needs.

Heat Shields

M4
Air-Cooled

M5
M6

M5W/M5WM
M55W
M55WM
M65W/WS
M65WLP
Liquid-Cooled



Part No.	Description	
AMHS	Heat Shield for Standard Handle	● ● ● ● ● ● ● ●



AMPHS	Heat Shield for Pistol Handle	● ● ● ● ● ● ● ●
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AM4001HS	Heat Shield Holder	● ● ● ● ● ● ● ●
AM6001HS	Heat Shield Holder	● ● ● ● ● ● ● ●
AM5002HS	Heat Shield Holder	● ● ● ● ● ● ● ●
AM5502HS	Heat Shield Holder	● ● ● ● ● ● ● ●
AM6502HS	Heat Shield Holder	● ● ● ● ● ● ● ●
AM6502PHS	Heat Shield Holder	● ● ● ● ● ● ● ●

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