

ARC M INDUSTRIAL SERIES PRODUCT TRAINING TUTORIAL



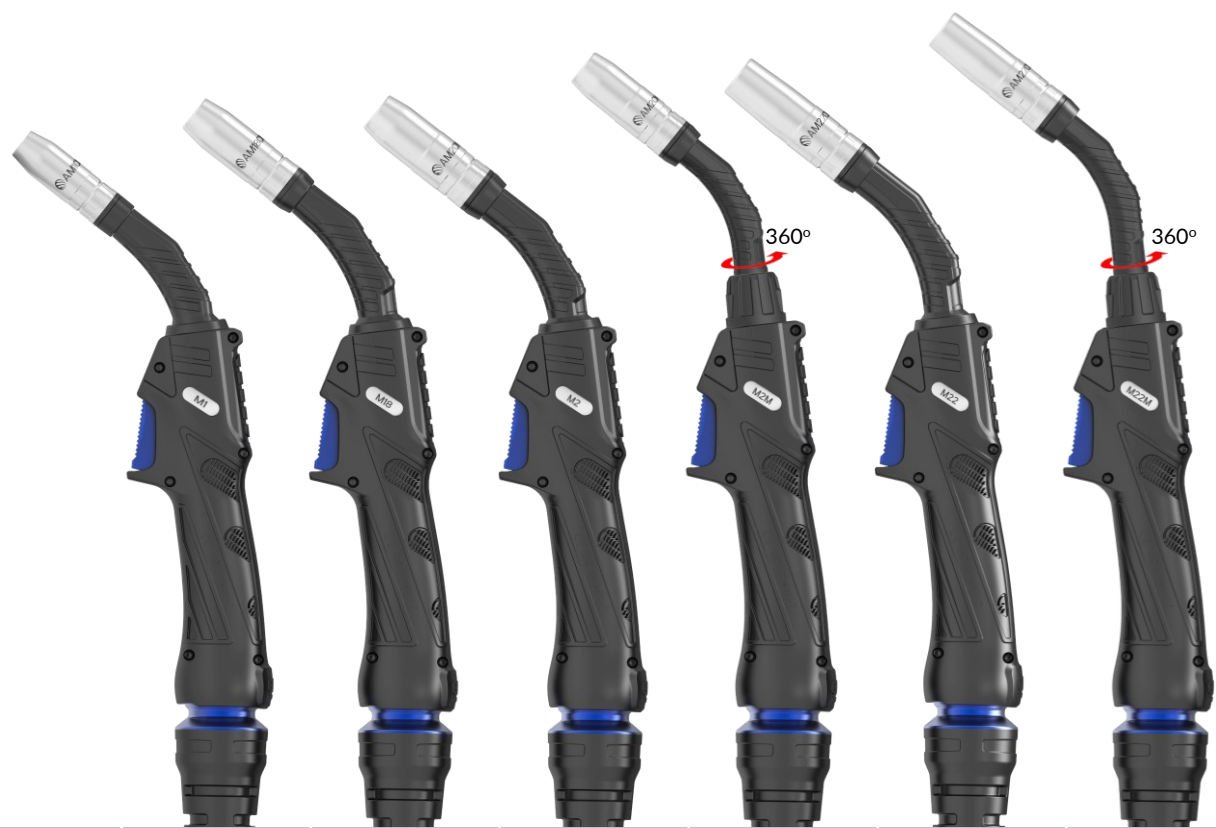
M2 Video



| L I B E R A T E
Y O U R W O R K D A Y

Arc M

Range and Ratings



Technical Data IEC/EN 60974-7	M1	M18	M2	M2M Multijust	M22	M22M Multijust
Cooling Method	Air-Cooled		Air-Cooled		Air-Cooled	
Ratings: CO2	180A	210A	230A	230A	250A	250A
Rating: Mixed Gas M21	150A	180A	200A	200A	220A	220A
Rating: Pulse	-		130A	110A	145A	120A
Duty Cycle	60%	60%	60%	60%	60%	60%
Torch Weight at 1m Height	0.62kg	0.70kg	0.78kg	0.78kg	0.91kg	0.91kg
Wire Size	0.6-1.0mm	0.6-1.0mm	0.8-1.2mm	0.8-1.2mm	0.8-1.2mm	0.8-1.2mm

Arc M1

Comparative Data



Power to Weight Advantage **20%**

M1 – The same size as an MB15 yet 20% lighter.



Technical Data IEC/EN 60974-7	Arc M1	MB 15
Cooling Method	Air-Cooled	
Ratings: CO ₂	180A	180A
Rating: Mixed Gas M21	150A	150A
Duty Cycle	60%	60%
Torch Weight at 1m Height	0.62kg	0.75kg
Wire Size	0.6-1.0mm	0.6-1.0mm



Arc M2/M22M

Comparative Data



Power to Weight Advantage **20%**

M2- The same size as an MB25 yet 20% lighter



Technical Data IEC/EN 60974-7	Arc M2	MB 25
Cooling Method	Air-Cooled	
Ratings: CO ₂	230A	230A
Rating: Mixed Gas M21	200A	200A
Rating: Pulse	130A (110A M22M)	
Duty Cycle	60%	60%
Torch Weight at 1m Height	0.78kg	0.95kg
Wire Size	0.8-1.2mm	0.8-1.2mm



Arc M22/M22M

Comparative Data



Power to Weight Advantage **20%**

M22 – The same size as an MB24 but 20% lighter



Technical Data IEC/EN 60794-7	Arc M22	MB 24
Cooling Method	Air-Cooled	
Ratings: CO ₂	250A	250A
Rating: Mixed Gas	220A	220A
Rating: Pulse	145A / (120A M22M)	
Duty Cycle	60%	60%
Torch Weight at 1m Height	0.91kg	1.06kg
Wire Size	0.8-1.2mm	0.8-1.2mm





Key Feature

All wear parts are laser marked for ease of identification



Key Feature

Large area tapered face



CONTACT TIPS

- Made from Cu
- Double current pick up for cooler running contact tips



Key Feature
Left hand thread ensures
easy nozzle removal



TIP ADAPTORS

- Integrated spatter well

NOZZLES

- Single piece threaded nozzle
- Patented Nozzle / Integrated Insulator System (SIC Technology)
- M22 HD Nozzle Available for High Amperage and Pulse Welding



HD Conical Nozzle



Tapered Nozzle



Conical Nozzle

Key Feature

Insulation system breaks spatter ring automatically when removed.



LINERS

Steel Liner

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



Al - Combi Liner

Recommended for: Air-cooled torches with AlMg. Can be used for SS-MC/FC wires



Key Feature

Soft wire/combi liner option features sliding and locking collet system with integrated gas seal.



LINER OPTIONS

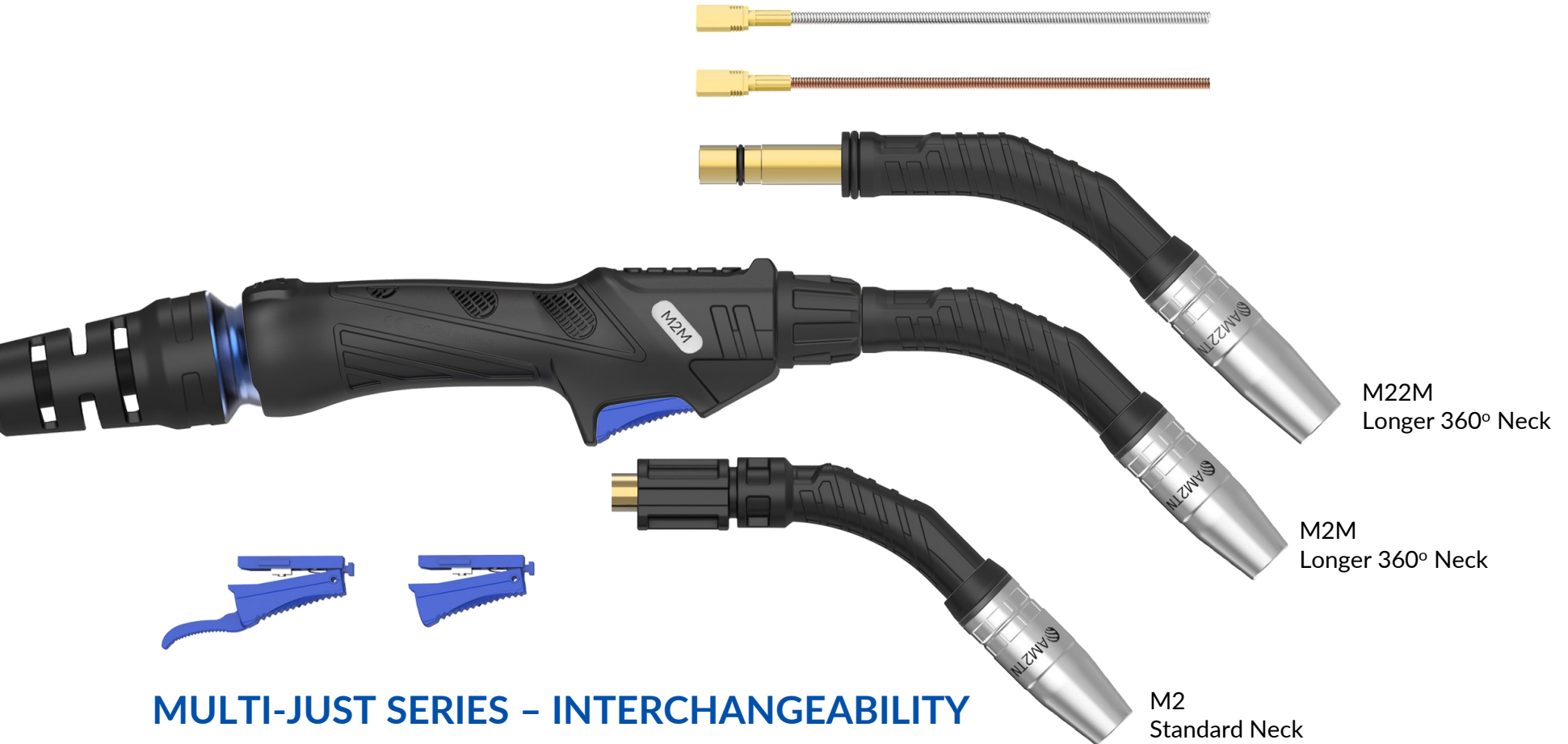
- Steel liners for steel wire, steel metal core and flux core wires
- Combi-liners for aluminum, stainless steel, stainless steel metal core and flux core wires



Key Feature
Rotates to any angle needed,
perfect for hard to reach
areas

MULTI-JUST SERIES

- Fitted with a Longer Swan Neck than standard models
- 360° Swan Neck Rotations, allows for long / difficult to reach joints



MULTI-JUST SERIES – INTERCHANGEABILITY

- Separate neck liner prevents twisting through the torch
- Necks interchange across the Light Industrial Series
- Optional extended trigger helps with long reach joints



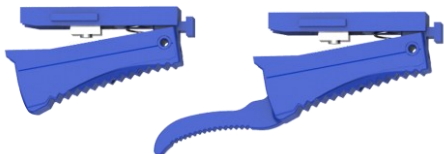
Key Feature

Large surface area grips

Key Feature

Trigger life > 1 million cycles

Trigger Options



MODULAR HANDLE SETS

- 'Plug and Play' microswitch trigger
- Microswitch trigger - extended trigger life and more resistant to weld fume particularly in aluminum processes
- Standard and extended trigger options
- Knuckle joints and short cable support systems for improved positioning

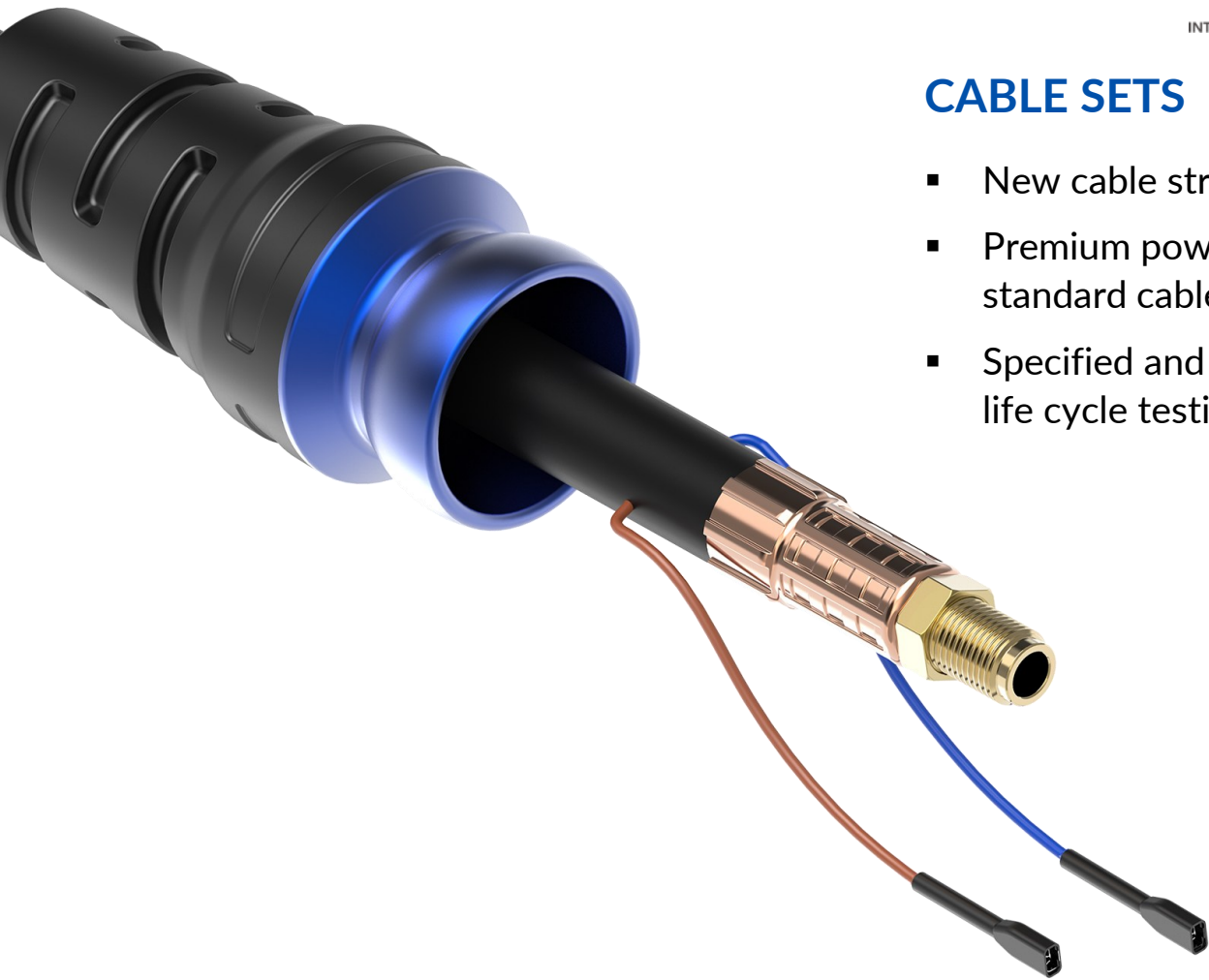
Key Feature

Air is a great insulator



AIR GAP TECHNOLOGY

- Minimized handle to torch body interface isolates conducted heat
- Air pockets isolate radiated heat for cooler running handles



CABLE SETS

- New cable structure for improved flexibility
- Premium power levels and up to 40% lighter than standard cable
- Specified and constructed to last over 1 million flexes in life cycle testing

ARC M INDUSTRIAL SERIES

Make Work Life Easier



| L I B E R A T E
Y O U R W O R K D A Y