

**Powerful.
Sturdy.
Flexible.**

ABIMIG® W & WT

Water-cooled MIG Guns



Liquid-cooled MIG Torch ABIMIG® WT

Modular Neck • Up to 600 A

Welding torches in the ABIMIG® WT series perform at higher amperage limits than traditional torches of the same size. Our advanced, redesigned cooling circuit protects wear parts even better against overheating.

An integrated insulator within the gas nozzles makes the WT particularly resistant to spatter bridging. The torch necks and the gas nozzle are nickel-plated to reduce spatter adhesions.

Thanks to the rotatable and exchangeable torch necks operators can adjust the ABIMIG® WT torch to their exact needs, or for fixed neck welding, use the W series.

Better technology. Better welding.

- Quick change, 360° positionable torch neck „T“ model increases working comfort and reduces servicing costs
- Optional swanneck lengths & angles provide exceptional accessibility in difficult to reach joints.
- Long-life nickel-plated threaded gas nozzles with integrated spatter protection
- Extended and short triggers available for best handling
- Tried-and-tested ergonomic grip – easy to hold in all positions
- Extremely light and easy to handle compared to competitive water-cooled guns of the same amperage.



The „WT“ modular system offers the possibility to adapt various pre-defined necks with the base torch.

ABIMIG® WT 440

Technical data (EN 60 974-7):

Rating: 500 A CO₂
450 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100 %
Wire size: 0.8 - 1.6 mm
(.030" - .062")

ABIMIG® WT 540

Technical data (EN 60 974-7):

Rating: 600 A CO₂
550 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100 %
Wire size: 0.8 - 1.6 mm
(.030" - .062")

Liquid-cooled MIG Torch ABIMIG® W

Fixed Neck • Up to 600 A

For a fixed neck torch, the welding torches in the ABIMIG® W series perform at higher amperage limits than traditional torches of the same size. The advanced, redesigned cooling circuit protects wear parts even better against overheating in the same way as the WT.

An integrated insulator within the gas nozzles makes the W particularly resistant to spatter bridging. In addition, the torch necks and the gas nozzle are nickel-plated to reduce spatter adhesions.

The high quality BINZEL consumables are long lasting to provide less downtime and save cost. Our ergonomic handle is light and easy to hold, allowing operators a more comfortable experience no matter the position.

ABIMIG® W 440

Technical data (EN 60 974-7):

Rating: 500 A CO₂
450 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100 %
Wire size: 0.8 - 1.6 mm
(.030" - .062")

ABIMIG® W 540

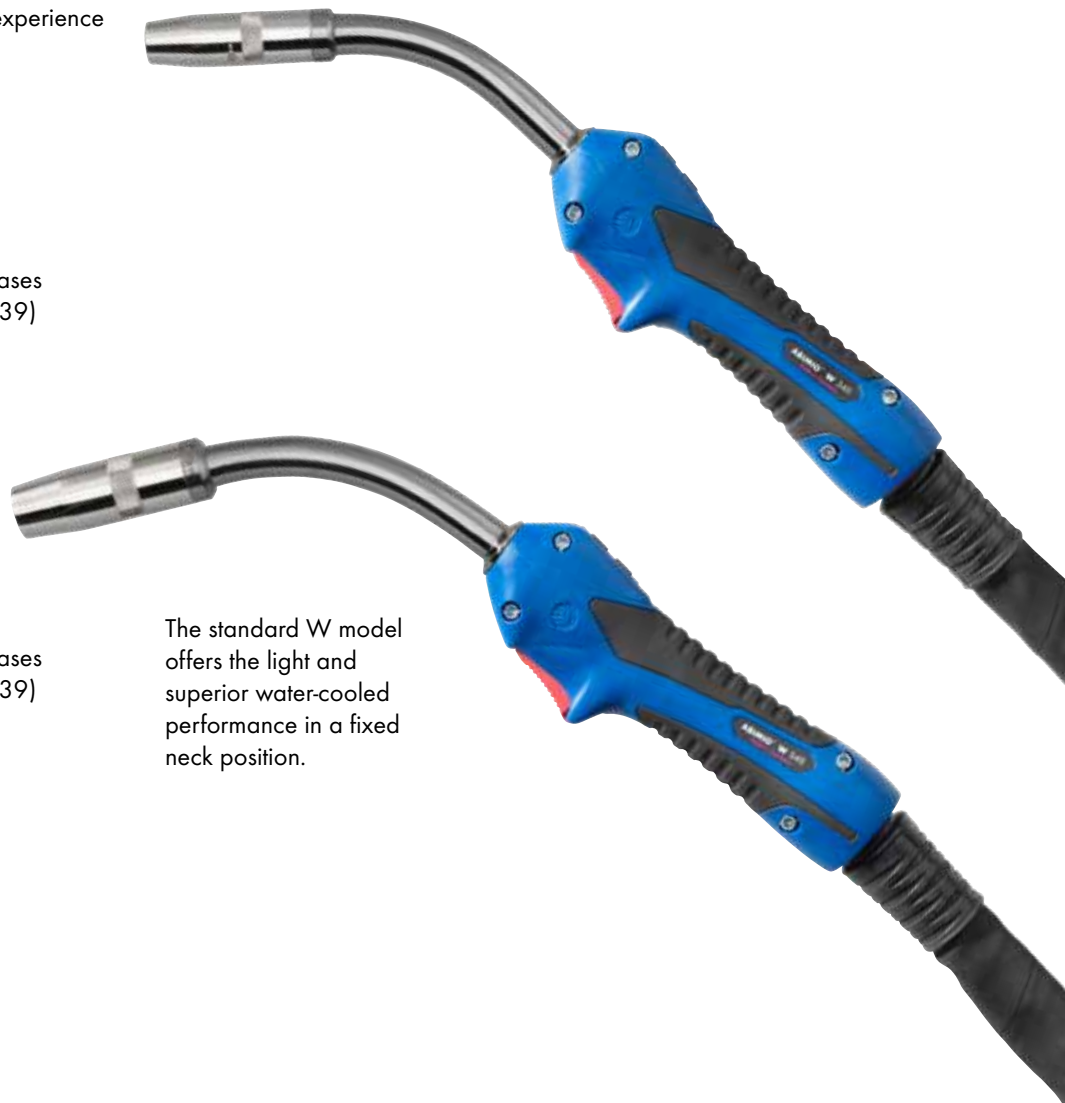
Technical data (EN 60 974-7):

Rating: 600 A CO₂
550 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100 %
Wire size: 0.8 - 1.6 mm
(.030" - .062")

Better technology. Better welding.

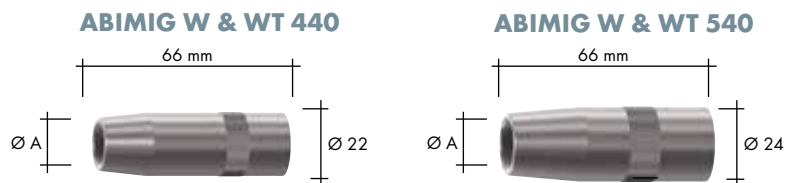
- Long-life nickel-plated threaded gas nozzles with integrated spatter protection
- Extended and short triggers available for best handling
- Tried-and-tested ergonomic grip – easy to hold in all positions
- Extremely light and easy to handle compared to competitive water-cooled guns of the same amperage.
- High quality copper and silver-plated consumables lessen downtime and save cost.



The standard W model offers the light and superior water-cooled performance in a fixed neck position.

MIG/MAG Welding Torches ABIMIG® W & WT

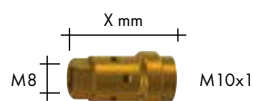
Wear Parts



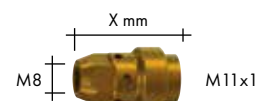
Gas nozzle including spatter protection

	ABIMIG W & WT 440		ABIMIG W & WT 540	
	Ø A		Ø A	
Cylindrical	Ø 18	145.0745	Ø 20	145.0742
Conical	Ø 14.5	145.D092 ¹	Ø 16	145.0735 ¹
Conical	Ø 12	145.0746	Ø 14	145.0741

ABIMIG W & WT 440



ABIMIG W & WT 540



Contact tip holder

	X		X	
Brass	26.0	142.0252.5	25.0	142.0239.5
	28.0	142.0253.5 ¹	27.0	142.0240.5 ¹
	31.0	142.0243.5	-	-
CuCrZr	-	-	25.0	142.0247.5
	-	-	27.0	142.0248.5

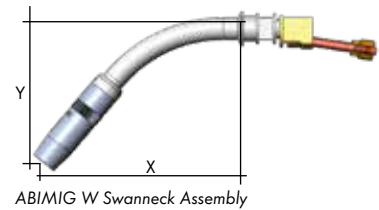
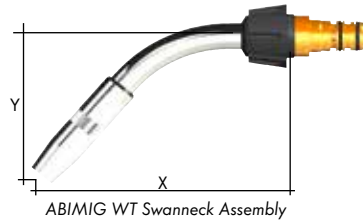
Contact tips ** (10 pcs.)

			M8	M8
E-Cu ¹ Standard Copper	Ø 0.8 (.030")		140.0114	140.0114
	Ø 0.9 (.035")		140.0214	140.0214
	Ø 1.0 (.040")		140.0313	140.0313
	Ø 1.2 (.045")		140.0442	140.0442
	Ø 1.4 (.052")		140.0533	140.0533
	Ø 1.6 (.062")		140.0587	140.0587
E-Cu for Al Standard Copper for Aluminum	Ø 0.8 (.030")		141.0033	141.0033
	Ø 0.9 (.035")		141.0043	141.0043
	Ø 1.0 (.040")		141.0008	141.0008
	Ø 1.2 (.045")		141.0075	141.0075
	Ø 1.4 (.052")		141.0055	141.0055
	Ø 1.6 (.062")		141.0022	141.0022
CuCrZr Heavy Duty Copper	Ø 0.8 (.030")		140.0117	140.0117
	Ø 0.9 (.035")		140.0217	140.0217
	Ø 1.0 (.040")		140.0316	140.0316
	Ø 1.2 (.045")		140.0445	140.0445
	Ø 1.4 (.052")		140.0536	140.0536
	Ø 1.6 (.062")		140.0590	140.0590
Silver-Plated Heavy Duty Copper Silver-plated	Ø 0.8 (.030")		147.0117	147.0117
	Ø 0.9 (.035")		147.0217	147.0217
	Ø 1.0 (.040")		147.0316	147.0316
	Ø 1.2 (.045")		147.0445	147.0445
	Ø 1.4 (.052")		147.0536	147.0536
	Ø 1.6 (.062")		147.0590	147.0590

¹ - Standard set-up

** - Contact tips are standardized to fit all W and WT models.

Wear Parts



Standard Swannecks (50 Degree)

	ABIMIG WT	x	y	ABIMIG W	x	y
Standard Neck 440 Model	788.0005	145	85	766.1548	140	95
Standard Neck 540 Model	788.0026	150	90	766.1539	160	95

Optional Swannecks

	Angle	ABIMIG WT	x	y	ABIMIG W	x	y
ABIMIG WT 440 Long	50°	788.0068	185	85	-	-	-
ABIMIG WT 440 Extra Long	50°	788.0076	350	85	-	-	-
ABIMIG WT 440 Long	60°	788.0074	165	105	-	-	-
ABIMIG WT 540 Long	50°	788.0088	200	90	-	-	-
ABIMIG WT 540 Extra Long	50°	788.0096	360	90	-	-	-
ABIMIG WT 540 Long	60°	788.0090	190	105	-	-	-

*Note: x and y measurement in mm.

Handles

	ABIMIG WT	ABIMIG W
Short Trigger, 440 & 540 Model	180.0165	180.0181
Long Trigger, 440 & 540 Model	180.0164	180.0180



Long Trigger „Extended“



Short Trigger „Standard“

Weld Cable Cover



Features & Benefits

- 1000 Denier Cordura with flame retardant coating
- Extremely lightweight
- Continuous temp rating: +250°F
- Momentary temp rating: 800°F
- Excellent UV protection
- Unaffected by water, oils, and mild solvents
- Excellent resistance to abrasion, weld spatter, puncture and tear resistance

Wear Parts

ABIMIG WT 440

ABIMIG WT 540

Torch neck liner (optional)

Steel	Ø 0.8-1.2	123.D097	123.D097
	Ø 1.4-1.6	123.D098	123.D098
Plastic liner	Ø 0.8-1.2	149.0418	149.0418
	Ø 1.4-1.6	149.0420	149.0420

Ø 3.7
ID



ABIMIG WT 440

Ø 5.1
ID



ABIMIG WT 540

Torch body insulating guides*

For use with neckliners ¹	033.D182	033.D182
For use without neckliners	033.0390	033.0390

*Note: Only applies to „WT“ Model torches. „1“ equals Standard Setup

Liners



Insulated Liners for Steel Wires

Insulated Liners for Steel Wires	Specifications	Part No.
Liner Steel 17' 035"-045"	for 10 - 15' gun	SI-3545-17PT
Liner Steel 17' 052"-062"	for 10 - 15' gun	SI-5262-17PT
Liner Steel 28' 035"-045"	for 20 - 25' gun	SI-3545-28PT
Liner Steel 28' 052"-062"	for 20 - 25' gun	SI-5262-28PT

Liners for Stainless Wires

Liner C-TFE 035"-045" 12'	for 10' gun	127.9001
Liner C-TFE 035"-045" 14'	for 12' gun	127.9002
Liner C-TFE 035"-045" 17'	for 15' gun	127.9003
Liner C-TFE 052"-062" 12'	for 10' gun	127.9004
Liner C-TFE 052"-062" 14'	for 12' gun	127.9005
Liner C-TFE 052"-062" 17'	for 15' gun	127.9006
Liner PA 035"-045" 12'	for 10' gun	128.9002
Liner PA 035"-045" 14'	for 12' gun	128.9003
Liner PA 035"-045" 17'	for 15' gun	128.9004
Liner PA 052"-062" 12'	for 10' gun	128.9005
Liner PA 052"-062" 17'	for 15' gun	128.9007
Liner PA 062"-078" 12'	for 10' gun	128.9008
Liner PA 062"-078" 17'	for 15' gun	128.9010

Liners for Aluminum

Liner C-TFE RD 035"-045" 12'	for 10' gun	126.9004
Liner C-TFE RD 035"-045" 14'	for 12' gun	126.9005
Liner C-TFE RD 035"-045" 17'	for 15' gun	126.9006
Liner C-TFE YW 052"-062" 12'	for 10' gun	126.9007
Liner C-TFE YW 052"-062" 14'	for 12' gun	126.9008
Liner C-TFE YW 052"-062" 17'	for 15' gun	126.9009
Collet Plastic Liner 024"-045"	10 pcs.	131.0001
Collet Plastic Liner 052"-078"	10 pcs.	131.0002
O-Ring 3.5X1.5mm	10 pcs.	165.0008
Liner Support (for plastic liners) Specify Feeder		129.XXXX
Contact Tip Wrench		191.0001

Liquid-cooled MIG Torches ABIMIG W & WT

Ordering Chart

WT	5	15	-	5	T	45	-	E	T	S
Torch Model	Amp	Cable Length	Neck	Nozzles	Wire Size	Back End	Handle	Trigger		
Torch Model W - Fixed Neck WT - Removable Rotating Neck			Neck 5 - 50 Degree	Nozzle T - Threaded	Wire Size 35 - .035" 45 - .045" 52 - .052" 62 - .062"			Trigger S - Standard Trigger E - Extended Trigger		
Amperage 4 - 450 Amp (W/WT 440) 5 - 550 Amp (W/WT 540)								Handle Options T - ABIMIG W/C		
Cable Length 10 - 10 Feet 12 - 12 Feet 15 - 15 Feet 20 - 20 Feet 25 - 25 Feet								Back End E - Euro L - Lincoln (Ext. gas) N - Lincoln 10 (Int. gas) T - Tweco 4 (Int. gas) M - Miller (Int. gas) V - Lincoln Power MIG (Int. gas)		

Torch Accessories

ABI-Cool Coolants



Our line of ABI-Cool, the LC and the ECO, protect your water-coolers year around by lubricating the pump and prolonging the seal and shaft life of your coolers. Use once and change annually to maximize cooling and lubrication power. ABI-Cool LC protects from freezing up to -32°F and ABI-Cool ECO protects up to 10°F

P/N 192.9032 (ABI-Cool LC 1 gallon)

P/N 192.9022 (ABI-Cool ECO 1 gallon)

Additional coolant volumes available. Please see our website for details.

TECHNOLOGY FOR THE WELDER'S WORLD.



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