

**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.

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.

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)

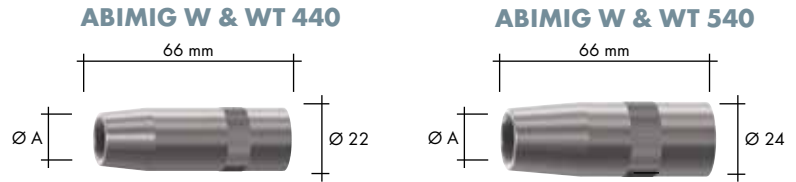
Duty cycle: 100 %
Wire size: 0.8 - 1.6 mm
(.030" - .062")

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



MIG/MAG Welding Torches ABIMIG® W & WT

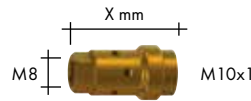
Wear Parts



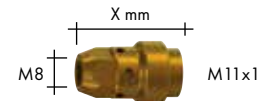
Gas nozzle including spatter protection

| | 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 |

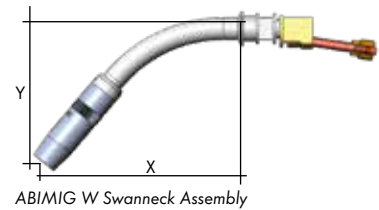
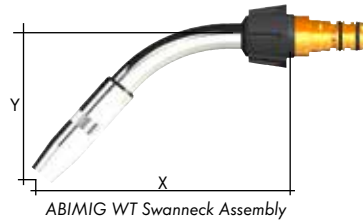
Contact tips ** (10 pcs.)

| | | 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“



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

| Specifications | Part No. |
|---------------------------|--------------|
| Liner Steel 17' 035"-045" | SI-3545-17PT |
| Liner Steel 17' 052"-062" | SI-5262-17PT |
| Liner Steel 28' 035"-045" | SI-3545-28PT |
| Liner Steel 28' 052"-062" | 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 | | | | Trigger S - Standard Trigger E - Extended Trigger Handle Options T - ABIMIG W/C | |
| Amperage 4 - 450 Amp (W/WT 440) 5 - 550 Amp (W/WT 540) | | | | | Wire Size 35 - .035" 45 - .045" 52 - .052" 62 - .062" | | | | 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) | |
| Cable Length 10 - 10 Feet 12 - 12 Feet 15 - 15 Feet 20 - 20 Feet 25 - 25 Feet | | | | | | | | | | |

Torch Accessories



CR 1250 Water-cooler

Designed for maximum cooling and easy maintenance, the CR series of water-coolers are a must have to keep your water-cooled MIG guns running at peak performance. The visible 1.59 gallon coolant reservoir reduces maintenance cost and minimizes coolant use, and the drain/fill parts are easily accessible on the front panel.

Use with our ABI-Cool line of coolants for the best results and performance possible.

P/N 850.1052 (CR 1250)

P/N BWC-029 (10' MIG water hose install/extension kit)



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 192.9019 (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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