

MIG/MAG machine welding torches

Air and liquid cooled

ABIMIG® torches in the MT series were developed specially for the requirements in partially mechanised welding processes and are just as robust and versatile as all ABIMIG® models. ABIMIG® MT W T and A T torches with changeable torch necks are able to display their advantages in particular in tasks with different demands on the required neck geometries. In addition, the quick torch neck change ensures short setting up and maintenance times.

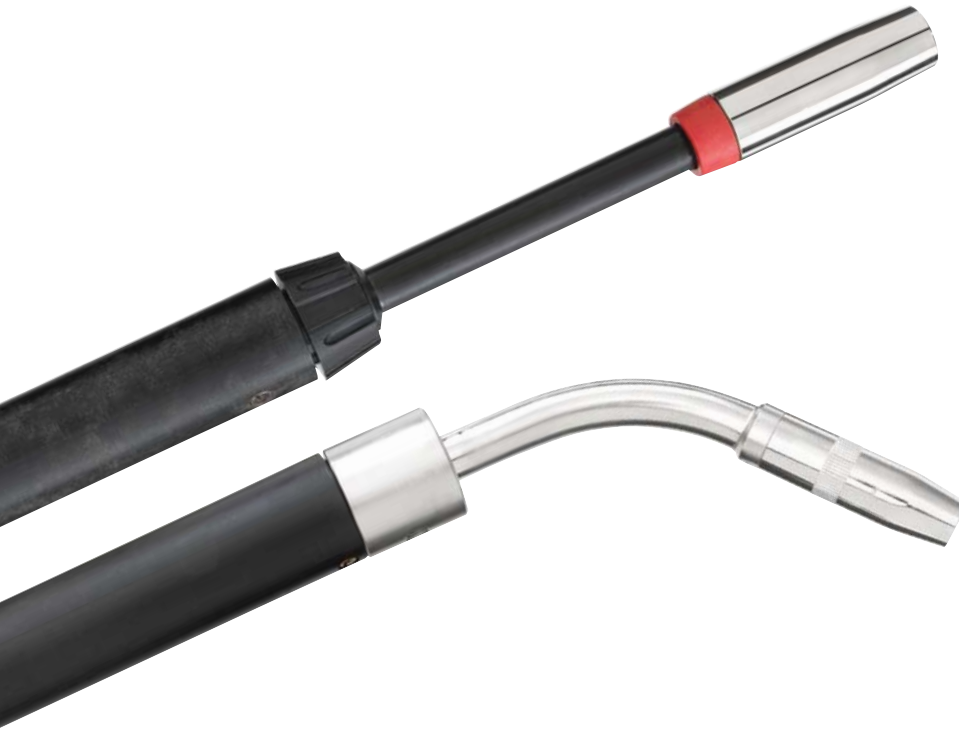
Liquid-cooled ABIMIG® MT W torches with a fixed torch neck and easily reproducible TCP (working point/tool centre point) are suitable for mechanised welding with a long duty cycle, in particular with components without a restriction on accessibility.

Advantages ABIMIG® MT A T & W T

- Rotatable and exchangeable torch neck
- Robust welding torch, durable construction
- 8-fold positioning of the torch neck for optimal accessibility also for demanding seam geometries
- Reduction of set-up and repair times with quick-change torch neck

Advantages ABIMIG® MT W

- Fixed torch neck with distinct reproducible TCP
- Robust welding torch, durable construction
- Very good accessibility due to a slim front end (ABIMIG® MT W 340 & 440)

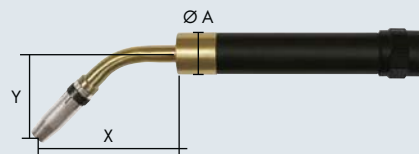


Order information:

When ordering complete torches, please indicate the torch type, torch geometry (straight or bent) and dimension „L“ (see sketch).

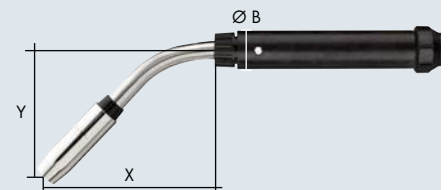
The wear parts – contact tip, gas nozzle, gas diffuser, contact tip holder, neck liner or liner – are identical with those of the manual welding torches of same size (ABIMIG® 455 on request).

Fixed swan neck

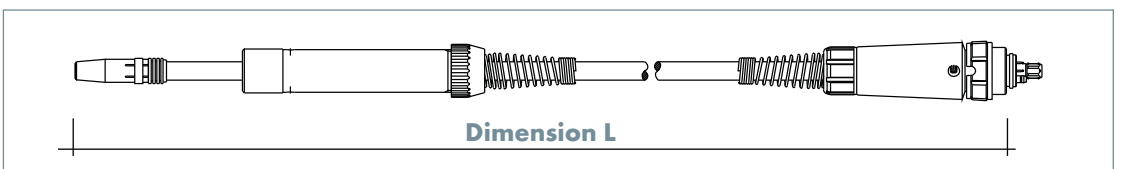


Ø A	air cooled torches:	38 mm
	liquid cooled torches:	38 mm

Changeable swan neck



Ø B	air cooled torches:	37 mm
	liquid cooled torches:	40 mm



ABIMIG® MT A T – base torch with changeable swan neck interface (air cooled)

Type	Length	Connection	Part-No.
ABIMIG® MTG 255	3.00 m	KZ-2	904.D010.1
ABIMIG® MTG 305	3.00 m	KZ-2	918.D023.1
ABIMIG® MTG 355	3.00 m	KZ-2	914.D020.1
ABIMIG® MTG 405 / 455	3.00 m	KZ-2	916.D005.1

ABIMIG® MT A T – COMBI swan necks (equipped with contact tip E-Cu, screwed gas nozzle, neck liner)

Type	Geo- metry	X (mm)	Y (mm)	Duty cycle	Rating ¹ CO ₂ / M21	Gas nozzle	Wire size	Part-No.
COMBI swan neck A T 255 T8	0°	195	0	60%	240 A 220 A	ND 16	1.0 mm	004.0690.1
COMBI swan neck A T 255 T8	45°	160	85	60%	240 A 220 A	ND 16	1.0 mm	004.0628.1
COMBI swan neck A T 305K T8M	0°	170	0	60%	290 A 260 A	ND 18	1.2 mm	014.0538.1
COMBI swan neck A T 305K T8M	45°	135	75	60%	290 A 260 A	ND 18	1.2 mm	014.0468.1
COMBI swan neck A T 305 T8M	0°	195	0	60%	290 A 260 A	ND 18	1.2 mm	014.0540.1
COMBI swan neck A T 305 T8M	45°	185	95	60%	290 A 260 A	ND 18	1.2 mm	014.0474.1
COMBI swan neck A T 355K T8M	0°	195	0	60%	340 A 320 A	ND 18	1.2 mm	014.0540.1
COMBI swan neck A T 355 T8M	45°	185	95	60%	340 A 320 A	ND 18	1.2 mm	014.0474.1
COMBI swan neck A T 405 T8M	0°	250	0	60%	400 A 370 A	ND 18	1.6 mm	015.0103.1
COMBI swan neck A T 405 T8M	45°	210	95	60%	400 A 370 A	ND 18	1.6 mm	015.0089.1
COMBI swan neck A T 455 T8M	0°	270	0	60%	400 A 370 A	ND 19	1.6 mm	016.0034.1

ABIMIG® MT W T – base torch with changeable swan neck interface (liquid cooled)

Type	Length	Connection	Part-No.
ABIMIG® MT W T G	2.00 m	WZ-0	933.0001.1
ABIMIG® MT W T G	3.00 m	WZ-0	933.D007

ABIMIG® MT W T – COMBI swan necks (equipped with contact tip CuCrZr, screwed gas nozzle, neck liner)

Type	Geo- metry	X (mm)	Y (mm)	Duty cycle	Rating ¹ CO ₂ / M21	Gas nozzle	Wire size	Part-No.
COMBI swan neck W T 340	0°	170	0	100%	400 A 350 A	ND 12.5	1.0 mm	788.0127.1
COMBI swan neck W T 340	50°	140	85	100%	400 A 350 A	ND 12.5	1.0 mm	788.0019.1
COMBI swan neck W T 440	0°	175	0	100%	500 A 450 A	ND 14.5	1.2 mm	788.0129.1
COMBI swan neck W T 440	50°	145	85	100%	500 A 450 A	ND 14.5	1.2 mm	788.0004.1
COMBI swan neck W T 540	0°	190	0	100%	600 A 550 A	ND 16.0	1.2 mm	788.0133.1
COMBI swan neck W T 540	50°	150	90	100%	600 A 550 A	ND 16.0	1.2 mm	788.0025.1

ABIMIG® MT W – complete torch fixed

Type	Length	Geo- metry	X (mm)	Y (mm)	Duty cycle	Rating CO ₂ / M21	Gas nozzle	Wire size	Part-No.
ABIMIG® MT W 340	2.0 m	50°	135	85	100%	400 A 350 A	ND 12.5	1.0 mm	788.0179.1
ABIMIG® MT W 440	2.0 m	50°	140	85	100%	500 A 450 A	ND 14.5	1.2 mm	788.0168.1
ABIMIG® MT W 540	2.0 m	50°	155	90	100%	600 A 550 A	ND 16.0	1.2 mm	788.0184.1

Other lengths of cable assemblies and torch neck geometries on request.

¹ Performance data, each in combination with a corresponding base torch of the same size (e.g. COMBI swan neck A T 255 T8 with ABIMIG® MTG 255).