




2020 Price List



Welding torches and accessories



EN 1090 WPQR package
now free of charge!

Overview of Welding Torch Price List 2020

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Overview of EWM's MIG/MAG welding torch program

Technology which reduces costs while increasing quality

MIG/MAG

Manual welding torches for the perfect result

Innovating to perfection: you will achieve optimum welding results with our welding torches and innovative welding processes:

- forceArc XQ®/forceArc puls XQ®
- coldArc XQ® /coldArc puls XQ®
- wiredArc XQ®/wiredArc puls XQ®
- Positionweld
- rootArc XQ®/rootArc puls XQ®
- Pulse XQ®/Standard XQ
- acArc puls XQ

Manual welding torches, gas cooled up to 450 A (CO₂) and water cooled up to 650 A (CO₂):

1	PM series Standard torch*	PM221/301/401G, PM301/451/551W
	C series replaceable neck*	PM221/301CG, PM301/451CW
	S series short neck*	PM451/551WS
	L series long neck*	PM451/551WL
2	MT Series Standard torch*	MT221/301/401G, MT301/451/551W
	C series replaceable neck*	MT221/301CG, MT301/451CW
	S series short neck*	MT451/551WS
	L series long neck*	MT451/551WL
3	Push/pull with replaceable neck (PP)*	PPMT221/301CG PPMT301/451CW
4	F Series Fume extraction torch	MT221G F, MT301/451W F
5	UM Series Standard torch	UM 15 G/UM 24 G/UM 25 G/UM 36 G
		UM 240 W/UM 401 W/UM 501 W

G = gas cooled W = water cooled

*Also available as function torch with control system





More information is available in our **Welding Torch Catalogue** and at www.ewm-group.com/en/.

MIG/MAG

Automated and robot welding torches for mechanised and automated applications

For automated production: our automated welding torches can be adjusted to each application on an individual basis. Combined with the EWM welding processes, you will be able to work not only flexibly, but also efficiently. You can find detailed information on our robot welding torches in our automation catalogue.

Automated welding torch, gas cooled up to 330 A (CO₂) and water cooled up to 650 A (CO₂):

6	AMT automated welding torches with different torch neck angles 0–45°	AMT301G AMT451/551W
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Robot welding torch, gas cooled and water cooled:

7	Robot welding torches	
8	Hollow shaft robot welding torch	

Robot pull welding torch, gas cooled 420 A (CO₂)

9	frontDrive – Robot pull welding torch	
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TIG; Plasma

Ideal solutions for a variety of uses

Always on the right side: from TIG standard, cold wire and hot wire welding with manual or automated systems to filigree plasma welding with EWM TIG and plasma torches.

Manual welding torches, gas cooled up to 300 A (DC-) and water-cooled up to 450 A (AC-):

10	TIG*
11	TIG Little*
12	Plasma
13	spotArc welding torch for spot and tack welding
14	tigSpeed welding torch; hot wire/cold wire for cold and hot wire welding
15	comfyTig 18-1 for cold and hot wire welding

*Also available as function torch with control system

Automated welding torch, gas cooled and water cooled:

16	TIG/plasma welding torch
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Overview of EWM's MIG/MAG welding torch program

EWM's MIG/MAG welding torches equip you for any job, while also saving time and therefore money. The high-quality materials used in the consumables makes them highly durable and ensures a stable welding process.

The portfolio is completed by a vast array of consumables which allow you to take on any task.



Professional welding torches from the PM series

Technical data		
maximum duty cycle, gas cooled		450 A (35% duty cycle)
maximum duty cycle, water cooled		650 A (100% duty cycle)
Grip		
Ergonomic		✓
Rubber inserts		✓
LED light		✓
Torch trigger protection		✓
Torch trigger extension		✓
Heat protection shield		✓
Operation		
Remote control without display		✓
Remote control with 7-segment display		✗
Remote control with OLED display		✓
Xnet support		✓
Torch trigger at top		✓
Hose package		
Length		3/4/5/6.5 metres
Torch connection		Euro torch
Anti-kink device		✓
Torch neck		
Consumables system		ex works M7/M9 (M6/M8 possible)
Standard torch neck		✓
Short-neck welding torch		✓
Long-neck welding torch		✓
Replaceable neck torch		✓
Fume extraction torch		✗
Automated welding torch		✓
Push/pull welding torch		✗



MT series – ultimate versatility



UM series – universal

	450 A (35% duty cycle) 650 A (100% duty cycle)		300 A (60% duty cycle) 500 A (60% duty cycle)
	✓		✓
	✗		✓
	✗		✗
	✗		✓
	✗		✗
	✓		✗
	✓		✗
	✓		✗
	✗		✗
	✗		✗
	✓		✗
	3/4/5 metres		3/4/5 metres
	Euro torch		Euro torch
	✗		✓
	ex works M7/M9 (M6/M8 possible)		M6/M8
	✓		✓
	✓		✗
	✓		✗
	✓		✗
	✓		✗
	✓		✗
	✓		✗

Professional welding torches from the PM series

Highlights

- Professional welding torch with flexible ball joint
- Can be ordered as a function torch with remote-control function and graphic display.
- Can be ordered with LED lighting for illuminating components.
- Full Xnet support **Xnet 2.0 ready**
- Wide range of options allows customisation in line with individual requirements.
- Ball joint ensures comfortable operation in frequently changing welding positions and positional welding.
- Thanks to X technology, function torches no longer require an annoying additional control cable.
- PM and MT torches ensure huge cost-saving potential with EWM consumables.
- Gas nozzles in conical, cylindrical and bottleneck shapes are available for narrow gap welding with PM and MT torches.

Welding torch design

Torch neck rotatable through 360°

- Ultimate flexibility with replaceable torch necks

Compact ball joint provides optimal range of movement

- Comfortable working conditions thanks to strain relief, especially for positional welding

Integrated LED lighting

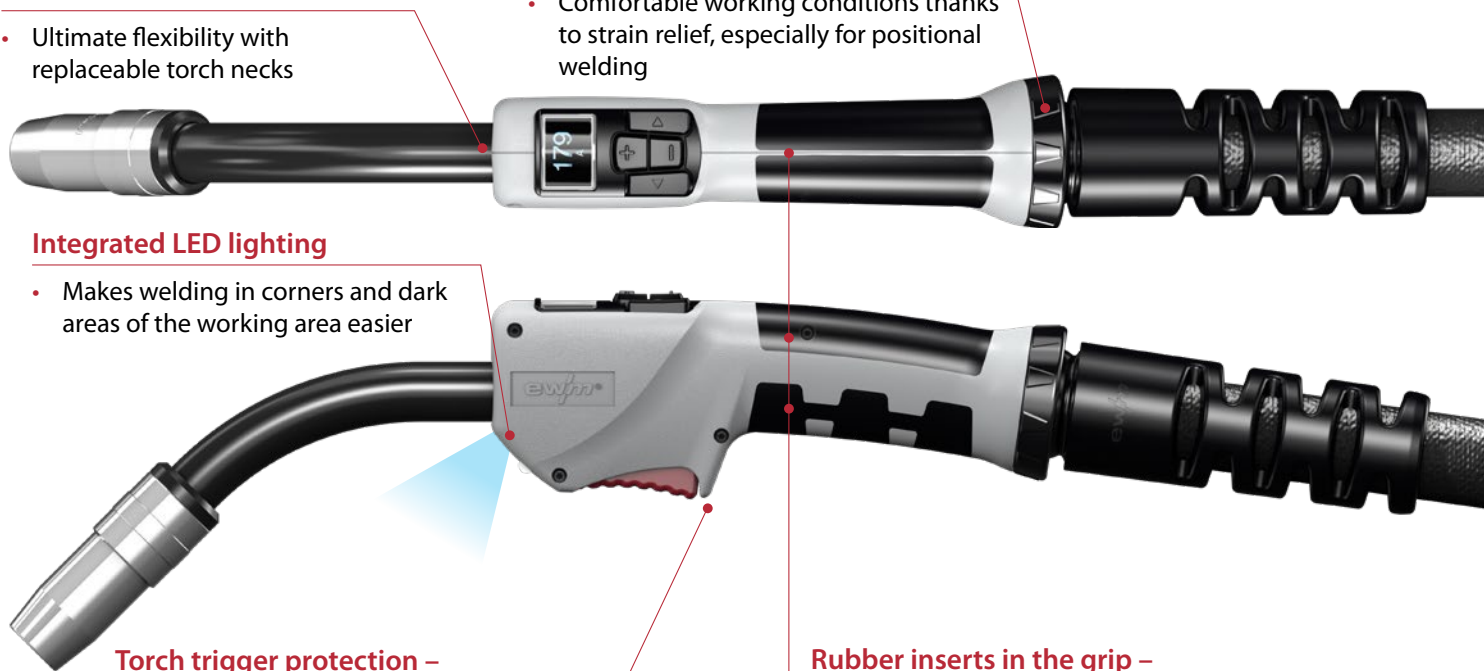
- Makes welding in corners and dark areas of the working area easier

Torch trigger protection – prevents misfiring

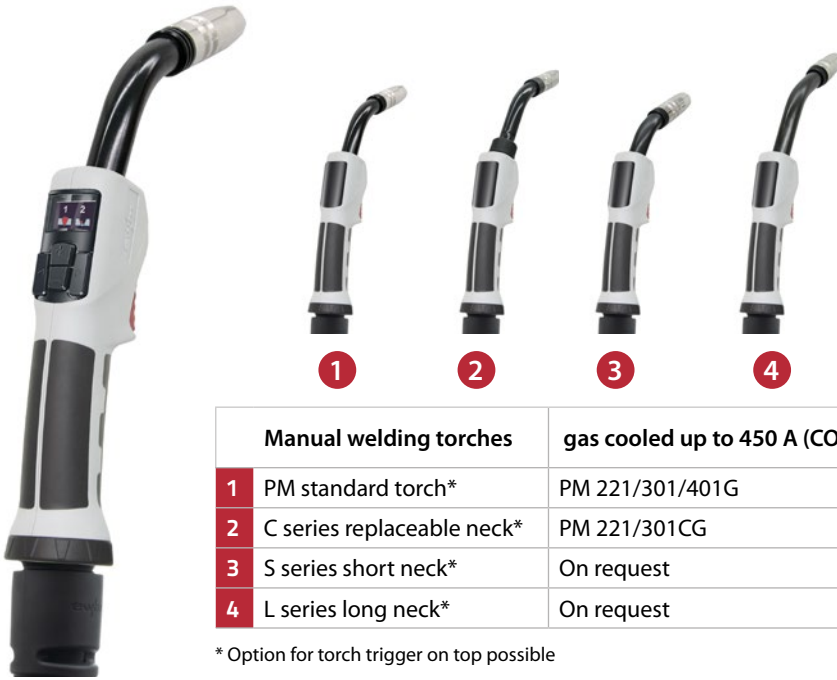
- High level of safety – no switch-on caused by unintentional operation
- Protects against damage to the workpiece

Rubber inserts in the grip – for the best hold

- High degree of welding comfort thanks to ergonomically shaped handle
- Secure hold for optimum welding torch guidance, even during positional welding



Versions available



	Manual welding torches	gas cooled up to 450 A (CO2)	water cooled up to 650 A (CO2)
1	PM standard torch*	PM 221/301/401G	PM 301/451/551W
2	C series replaceable neck*	PM 221/301CG	PM 301/451CW
3	S series short neck*	On request	PM 451/551WS
4	L series long neck*	On request	PM 451/551WL

* Option for torch trigger on top possible

Overview of functions of PM welding torch controls

	Standard	LED X	2U/D	2U/D X	RD2 X	RD3 X
Compatibility	All welding machines with Euro torch connectors	Titan XQ puls and EWM Multimatrix welding machines	All EWM welding machines come with 19-pole connection.	Titan XQ puls and EWM Multimatrix welding machines		

Components	Standard	LED X	2U/D	2U/D X	RD2 X	RD3 X
Remote control function	✗	✗	✓	✓	✓	✓
Graphic display	✗	✗	✗	✗	✓	✓
LED lighting	✗	✓	✗	✓	✓	✓
Option for torch trigger on top possible	✓	✓	✗	✗	✗	✗

Remote control functions	Standard		LED X		2U/D		2U/D X		RD2 X		RD3 X	
	Set	Display	Set	Display	Set	Display	Set	Display	Set	Display	Set	Display
Welding current	✗		✗		✓	✗	✓	✗	✓		✓	
Wire feed speed	✗		✗		✓	✗	✓	✗	✓		✓	
Voltage correction	✗		✗		✓	✗	✓	✗	✓		✓	
Program selection	✗		✗		✓	✗	✓	✗	✓		✓	
JOB selection	✗		✗		✓	✗	✓	✗	✓		✗	
Operating mode	✗		✗			✗		✗		✗		✓
Dynamics	✗		✗		✗		✗		✗		✗	✓
Process switching	✗		✗		✗		✗		✗		✗	✓
Interferences and error messages	✗		✗		✗		✗		✗		✗	✓

The full range of functions for the PM-X welding torch is only available when combined with the Titan XQ machine series and the drive XQ wire feeder.
If the function torch is connected to another EWM machine series with Multimatrix, the torch will enter compatibility mode and its functions will be limited.

Professional welding torches from the PM series



Type	PM 221 G	PM 301 G	PM 401 G
Operating variants	Standard or function torch		
Replaceable torch neck "C"	PM 221 CG	PM 301 CG	-
Cooling	gas cooled "G"	gas cooled "G"	gas cooled "G"
Welding current CO ₂	250 A at 60% DC	330 A at 60% DC	450 A at 35% DC
Welding current M21	220 A at 60% DC	300 A at 60% DC	400 A at 35% DC
Pulse welding current M21	150 A at 60% DC	210 A at 60% DC	260 A at 35% DC
Shielding gas	Argon, mixed gas M21 or CO ₂ conforming to DIN EN ISO 14175		
Wire diameter	0.8 to 1.2 mm	0.8 to 1.6 mm	0.8 to 2.0 mm
Gas flow	10 to 20 l/min	10 to 20 l/min	10 to 20 l/min
Hose package length	3 m/4 m/5 m	3 m/4 m/5 m	3 m/4 m/5 m
Connection	Euro torch connector	Euro torch connector	Euro torch connector
Torch data in accordance with	IEC 60974-7	IEC 60974-7	IEC 60974-7

Professional welding torches from the PM series:



PM CG/CW

- Replaceable torch necks with various bend angles
- Excellent handling even in hard-to-access areas
- Torch neck can be continuously rotated through 360° and locked in any position



PM long neck torch

- Longer torch neck for hard-to-access operating points and high duty cycles
- Available in versions PM 451 WL and PM 551 WL



PM short neck torch

- Shorter torch neck for especially tight operating points
- More practical and lightweight than standard torches
- Best suited for applications within confined spaces
- Available in versions PM 451 WL and PM 551 WL



PM 301 W	PM 451 W/WS/WL	PM 551 W/WS/WL	Type
Standard or function torch			Operating variants
PM 301 CW	PM 451 CW	-	Replaceable torch neck "C"
water cooled "W"	water cooled "W"	water cooled "W"	Cooling
330 A at 100% DC	500 A at 100% DC	650 A at 100% DC	Welding current CO ₂
290 A at 100% DC	450 A at 100% DC	550 A at 100% DC	Welding current M21
250 A at 100% DC	350 A at 100% DC	500 A at 100% DC	Pulse welding current M21
Argon, mixed gas M21 or CO ₂ conforming to DIN EN ISO 14175			Shielding gas
0.8 to 1.2 mm	0.8 to 1.6 mm	0.8 to 2 mm	Wire diameter
10 to 25 l/min	10 to 25 l/min	10 to 25 l/min	Gas flow
3 m/4 m/5 m	3 m/4 m/5 m/6.5 m	3 m/4 m/5 m/6.5 m	Hose package length
Euro torch connector	Euro torch connector	Euro torch connector	Connection
IEC 60974-7	IEC 60974-7	IEC 60974-7	Torch data in accordance with

Four operating variants – guaranteeing a good choice.



RD3 X control

Display and setting of:

- Welding current and wire feed speed
- Voltage correction
- Program and JOB selection
- Operating mode and welding type
- Welding process switching
- Interferences and error messages

Xnet support:

- Selection of welding tasks according to welding sequence plan
- Component management



RD2 X control

Display and setting of:

- Welding current and wire feed speed
- Voltage correction
- Program and JOB selection



2U/D X control

Setting of:

- Welding current and wire feed speed
- Voltage correction
- Program and JOB selection

Also available with separate control cable (this means LED lighting is not included)



Standard torch and standard torch with LED lighting



Option for torch trigger on top possible



* LED lighting is only available on Titan XQ puls and EWM Multimatrix welding machines.

PM 551 W Alu welding torch

PM 551 W Alu

- MIG/MAG welding torches



PM 551 W 2U/D X Alu

- MIG/MAG function torch, water cooled, X technology



PM 551 W RD3 X Alu

- MIG/MAG function torch with OLED graphic display, water cooled, X technology



Immediately ready for use in aluminium welding

PM-Alu welding torches make MIG aluminium welding that bit easier. The PM 551 W Alu welding torch guarantees perfect, consistent results when welding aluminium. The welding torches are supplied fully equipped ex works, meaning there is no need for retrofitting for aluminium welding. You have three torches to choose from:

- PM 551 W Alu
- PM 551 W 2U/D X Alu
- PM 551 W RD3 X Alu



Equipment as delivered



Forced-contact tip
(\varnothing 1.0 mm or \varnothing 1.2 mm)

- Consistent contact of the wire in the contact tip
- High arc stability
- Significantly longer service life
- Spatter-free weld seams



Highly conical gas nozzle
(\varnothing 15 mm)

- Targeted gas flow
- High arc stability
- Welding results without burn marks



PA liner, incl. torch neck liner
(\varnothing 1.0 mm or \varnothing 1.2 mm, each in length 3 m or 4 m)

- Even, reduced-friction wire feeding
- Prevents abrasion of welding consumables
- Guarantees consistent contact

MT series – ultimate versatility

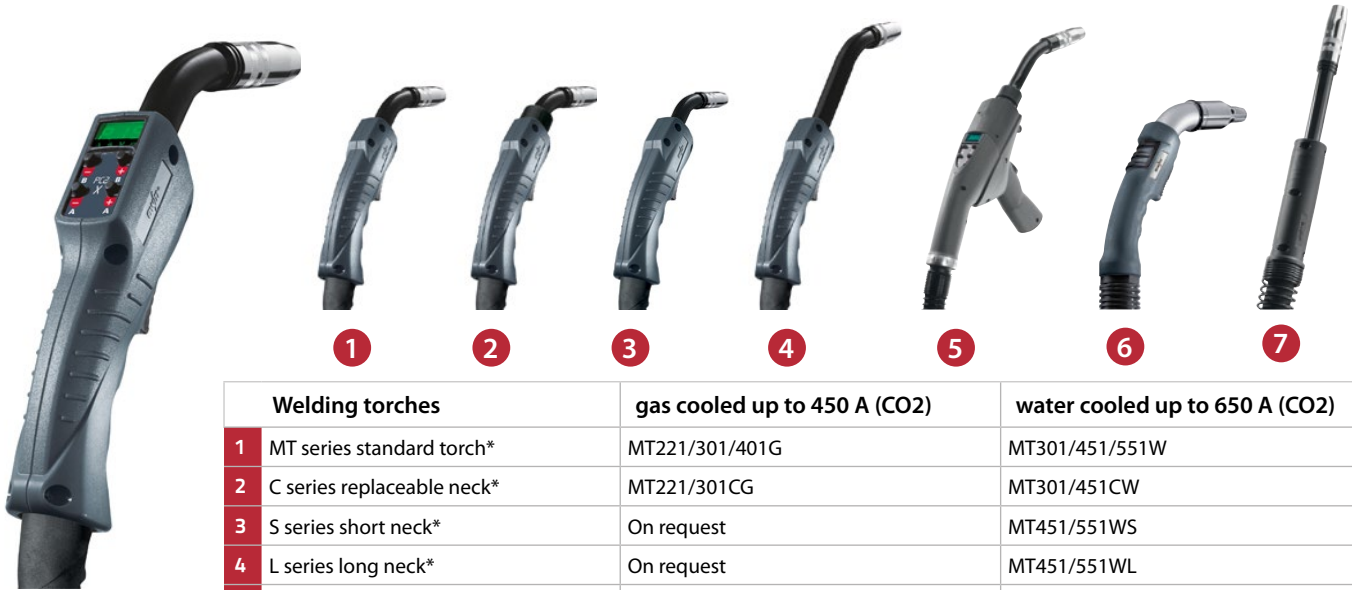
Highlights

- Robust welding torch with compact, ergonomically shaped grip
- Can be ordered as a function torch with remote-control function and segment display.
- Most suitable for use in tough environments
- Ideal balance between complete robustness and perfect handling
- The elliptical grip reduces the effort required to guide the torch.
- Thanks to X technology, function torches no longer require an annoying additional control cable.
- But, all function torches may be ordered with an additional control cable in order to connect them to machines without X technology.
- Wide variety of products: From standard welding torches with various torch necks to replaceable neck, push/pull, fume extraction and automated welding torches
- PM and MT torches ensure huge cost-saving potential with EWM consumables.
- Gas nozzles in conical, cylindrical and bottleneck shapes are available for narrow gap welding with PM and MT torches.

Welding torch design



Versions available



	Welding torches	gas cooled up to 450 A (CO2)	water cooled up to 650 A (CO2)
1	MT series standard torch*	MT221/301/401G	MT301/451/551W
2	C series replaceable neck*	MT221/301CG	MT301/451CW
3	S series short neck*	On request	MT451/551WS
4	L series long neck*	On request	MT451/551WL
5	Push/pull with replaceable neck (PP)	PPMT301CG	PPMT301/451CW
6	F Series Fume extraction torch	MT221G F	MT301/451W F
7	AMT automated welding torch	AMT301G	AMT451W/551W

* Option for torch trigger on top possible

Overview of functions of MT welding torch controls

	Standard	U/D X	2U/D X	PC 1 X	PC 2 X					
Compatibility	All welding machines with Euro torch connectors	Titan XQ puls and EWM Multimatrix welding machines also available with 19-pole control cable for connection to EWM welding machines without Multimatrix technology								
Components										
Remote control function	✗	✓	✓	✓	✓					
Segment display	✗	✗	✗	✓	✓					
Option for torch trigger on top possible	✓	✗	✗	✗	✗					
Remote control functions	Set	Display	Set	Display	Set	Display	Set	Display	Set	Display
Welding current	✗	✓	✗	✓	✗	✓	✗	✓	✗	✓
Wire feed speed	✗	✓	✗	✓	✗	✓	✗	✓	✗	✓
Voltage correction	✗	✗	✗	✓	✗	✗	✗	✗	✗	✓
Program selection	✗	✓	✗	✓	✗	✓	✗	✓	✗	✓
JOB selection	✗	✗	✗	✓	✗	✗	✗	✗	✗	✓

MT function torch available with or without X technology

	X Technology	Without X technology*
Control cable assembly	No longer needs an inconvenient additional control cable	Additional 19-pole control cable and matching machine-side connection required
Compatibility	Titan XQ puls and EWM Multimatrix welding machines	All EWM machines come with a 19-pole connection socket

* Push/pull torches can only be ordered with an additional control cable

MT series – ultimate versatility



Type	MT221G	MT301G	MT401G
Operating variants	Standard or function torch		
Replaceable torch neck "C"	MT221CG	MT301CG	-
Fume extraction torch "F"	MT221G F	-	-
Automated welding torch "A"	-	AMT 301G	-
Cooling	gas cooled "G"	gas cooled "G"	gas cooled "G"
Welding current CO ₂	250 A at 60% DC	330 A at 60% DC	450 A at 35% DC
Welding current M21	220 A at 60% DC	300 A at 60% DC	400 A at 35% DC
Pulse welding current M21	150 A at 60% DC	210 A at 60% DC	260 A at 35% DC
Shielding gas	Argon, mixed gas M21 or CO ₂ conforming to DIN EN ISO 14175		
Wire diameter	0.8 to 1.2 mm	0.8 to 1.6 mm	0.8 to 2.0 mm
Gas flow	10 to 20 l/min	10 to 20 l/min	10 to 20 l/min
Hose package length	3 m/4 m/5 m	1.5 m*/3 m/4 m/5 m	3 m/4 m/5 m
Connection	Euro torch connector	Euro torch connector	Euro torch connector
Torch data in accordance with	IEC 60974-7	IEC 60974-7	IEC 60974-7

THE MT TORCH RANGE LEAVES NOTHING TO BE DESIRED



MT CG/CW

- Replaceable torch necks with various bend angles
- Excellent handling even in hard-to-access areas
- Torch neck can be continuously rotated through 360°



MT Push/Pull

- High-quality Maxon motor
- Self-inching
- Optional pistol grip
- Colour-coded wire feed rollers
- Plug&play with ewm machines
- Several control variants
- Remote control function



MT GF/W

- Welding torch with fume extraction
- Significantly reduces emissions in the ambient air
- Infinitely adjustable extraction nozzle
- Bypass slider to regulate the extraction rate
- Suitable for operation with high-vacuum extraction systems
- Rotating joint on hose package
- First metre has leather cover as spatter protection



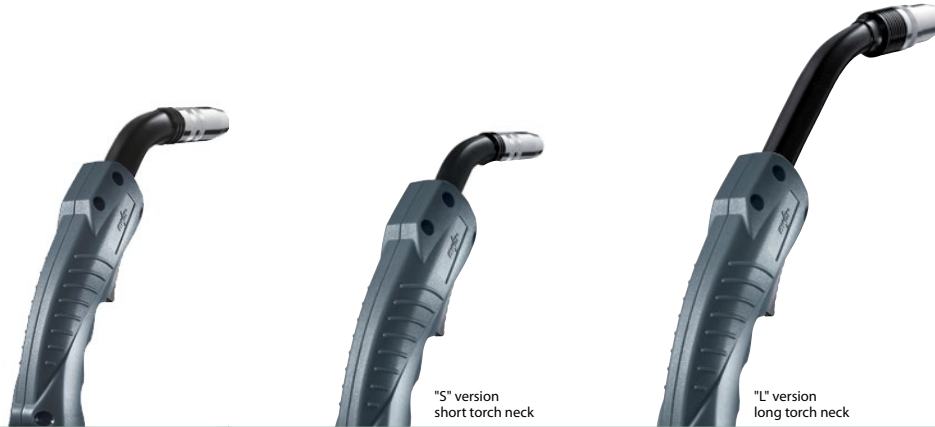
AMT

- Welding torches for automated welding
- Highly robust with long duty cycle
- Wear parts identical to standard MT torch

The right welding torch for every application.



For all information on our product range, visit www.ewm-sales.com.



MT301W	MT451W/WS/WL	MT551W/WS/WL	Type
Standard or function torch			Operating variants
MT301CW	MT451CW	-	Replaceable torch neck "C"
MT301W F	MT451W F	-	Fume extraction torch "F"
-	AMT451W	AMT551W	Automated welding torch "A"
water cooled "W"	water cooled "W"	water cooled "W"	Cooling
330 A at 100% DC	500 A at 100% DC	650 A at 100% DC	Welding current CO ₂
290 A at 100% DC	450 A at 100% DC	550 A at 100% DC	Welding current M21
250 A at 100% DC	350 A at 100% DC	500 A at 100% DC	Pulse welding current M21
Argon, mixed gas M21 or CO ₂ conforming to DIN EN ISO 14175			Shielding gas
0.8 to 1.2 mm	0.8 to 1.6 mm	0.8 to 2 mm	Wire diameter
10 to 25 l/min	10 to 25 l/min	10 to 25 l/min	Gas flow
3 m/4 m/5 m	1.5 m*/3 m/4 m/5 m	1.5 m*/3 m/4 m/5 m	Hose package length
Euro torch connector	Euro torch connector	Euro torch connector	Connection
IEC 60974-7	IEC 60974-7	IEC 60974-7	Torch data in accordance with

* AMT torches only

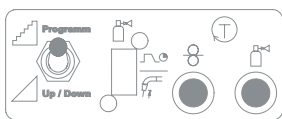
Function torches in four operating variants – X Series welding torches without additional control cable



Up/Down

Setting of:

- Welding current or wire feed speed



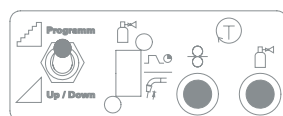
- Or program^{*2)}



2 Up/Down

Setting of:

- Welding current or wire feed speed
- Voltage correction



- Or program^{*2)}



PC 1

Setting and display of:

- Welding current or wire feed speed^{*1)}



- Or program^{*2)}



PC 2

Setting and display of:

- Welding current or wire feed speed
- Voltage correction^{*1)}



- Or program and JOB^{*2)}

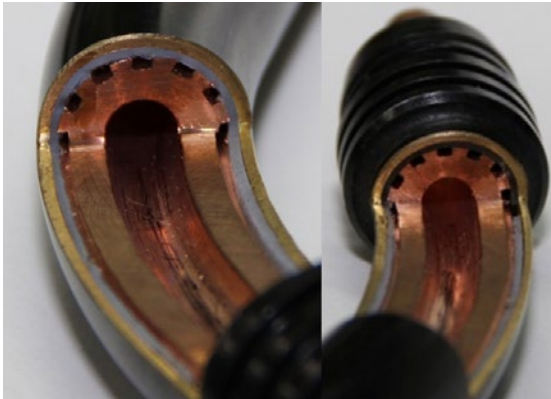
^{*1)} Display depends on the welding machine

^{*2)} Depends on the switch setting on the wire feeder

PM and MT torch design

PM and MT torch neck and cooling system

- Long service life thanks to profiled inner tubes for optimal cooling and greater power reserves
- Compact hose packages with coaxial cables for low weight and highest flexibility (gas-cooled torches)
- There are absolutely no fluctuations of heat or electrical conductivity, as all live components of the welding torch are made of CuCrZr.



Gas-cooled welding torch

- Internal insulation



Water-cooled welding torch

- **Parallel double-coolant circuit**
 - 4 conduits in inside circuit
 - 8 conduits in outside circuit

PM and MT torch neck design

Special features	Practical advantages
Inner tube firmly centred in the torch neck (specially designed for EWM Made in Germany).	<ul style="list-style-type: none"> • No deformation of the inner tube • No tension on the gas diffuser
CuCrZr inner tube incl. torch head on gas-cooled torches	<ul style="list-style-type: none"> • High stability • Less wear • Improved heat dissipation • Improved duty cycle of the torch
CuCrZr torch head for water-cooled torches	
Optimised wire feeding thanks to the larger bend radius (70 mm instead of 50 mm)	<ul style="list-style-type: none"> • Better contact • Stable welding process • Less spatter

EWM Euro torch connector

Special features	Practical advantages
Optimised exit of water hoses and control cable from the Euro torch connector housing	<ul style="list-style-type: none"> • No circuit interruption due to hose kinking • Control cable well protected
Euro torch connector housing can be opened without tools.	<ul style="list-style-type: none"> • Easy servicing and mounting
Silver-plated spring pins in the control cable	<ul style="list-style-type: none"> • Improved flow transfer, no corrosion • Pins less likely to break off or bend

PM and MT consumables system

CuCrZr meets M7/M9

- Consumables system compatible with manual welding torches, automated welding torches, push/pull torches and fume extraction torches from the PM and MT welding torch series.
- Reduced use of consumables thanks to high-quality materials such as CuCrZr.
- Larger threaded cross sections ensure lower resistance to temperature and flow transfer and thus a longer service life.



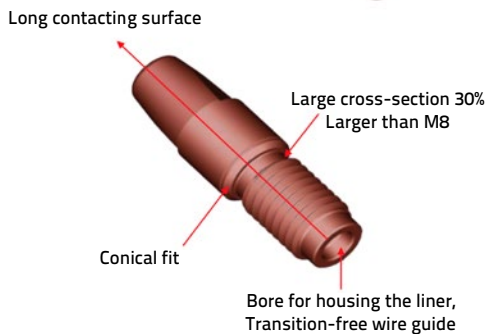
EWM gas nozzles

- Screw-on gas nozzles ensure a secure fit, even under extreme thermal conditions.
- The centred fit of the gas nozzles ensures that shielding gas coverage remains even and consistent.
- Reduced spatter adherence thanks to nickel-plated surface and improved heat dissipation
- A diverse range of options: Narrow-gap gas nozzles, highly conical gas nozzles, spot welding nozzles
- Long service life
- Every PM/MT welding torch series has specially designed gas nozzles, thus preventing installation of incompatible nozzles.



EWM contact tips

- Optimum heat transfer thanks to the 30% larger material cross-section and conical fit of the contact tip in the M7/M9, compared to conventional M6/M8 thread sizes.
- Made of CuCrZr, EWM contact tips boast much greater wear resistance than standard E-Cu nozzles.
- Conical limit stop of the contact tip for a secure fit, precise centring and optimal flow and heat transfer
- The precisely centred contact tip allows for far greater precision and repeat precision, especially in mechanised applications.
- The bore means the liner sits well in the contact tip, thus ensuring transition-free wire guiding.
- Long contacting surface for better flow transfer and arc stability
- A diverse range of equipment means the torch can be perfectly customised for any application.
- M7/M9 or alternatively Standard M6/M8



EWM contact tip holders

- All EWM contact tip holders are manufactured using wear-resistant CuCrZr for optimal functionality – even in tough conditions.
- CuCrZr offers better heat and current conductivity than standard brass contact tip holders.
- Various versions mean you can alter the fit of the contact tip. This allows you to customise the torch perfectly for any application.
- M7/M9 or alternatively Standard M6/M8



EWM gas diffusers

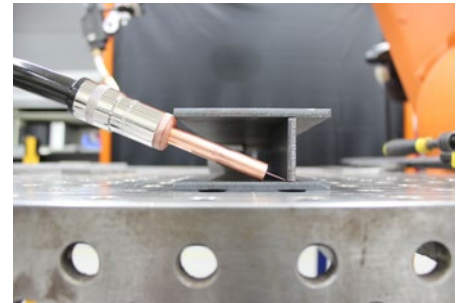
- High stability thanks to high-tensile, temperature-resistant special plastic
- Even distribution of welding gas, thus ensuring optimal shielding gas coverage
- Every PM/MT torch series has specially designed gas diffusers, thus preventing installation of incompatible diffusers.

PM and MT consumables system

Narrow gap welding with EWM PM and MT torches

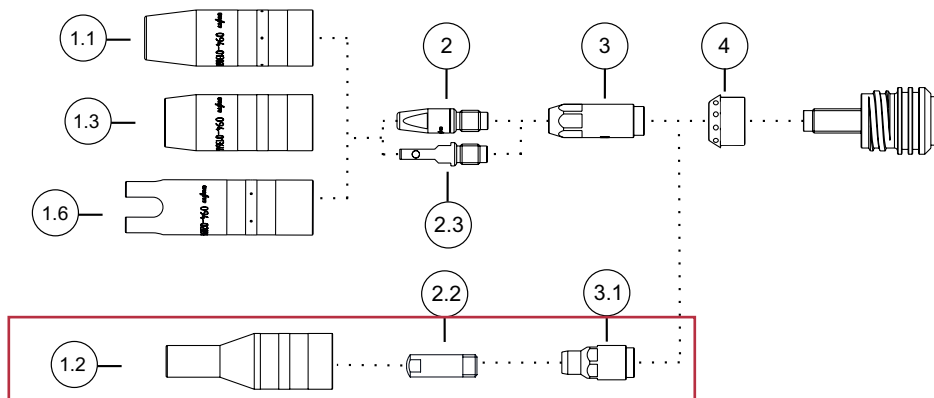
- Better accessibility for root welding and positional welding
- Reduction in the included angle when used with EWM forceArc
- Cylindrical nozzle shape:
- With replaceable gas nozzle tip (just one low-cost consumable)
- Insulated built-on gas nozzle tip
- Robust design with its centred contact tip (less build-up of spatter, less wear)

For narrow gap welding, gas nozzles in conical, cylindrical and bottleneck shapes are available.



Conical nozzle shape (Pos. 1.1) Cylindrical nozzle shape, fully assembled (Pos. 1.4; 1.5; 2.1; 5; 6) Bottle neck shaped (Pos. 1.2)

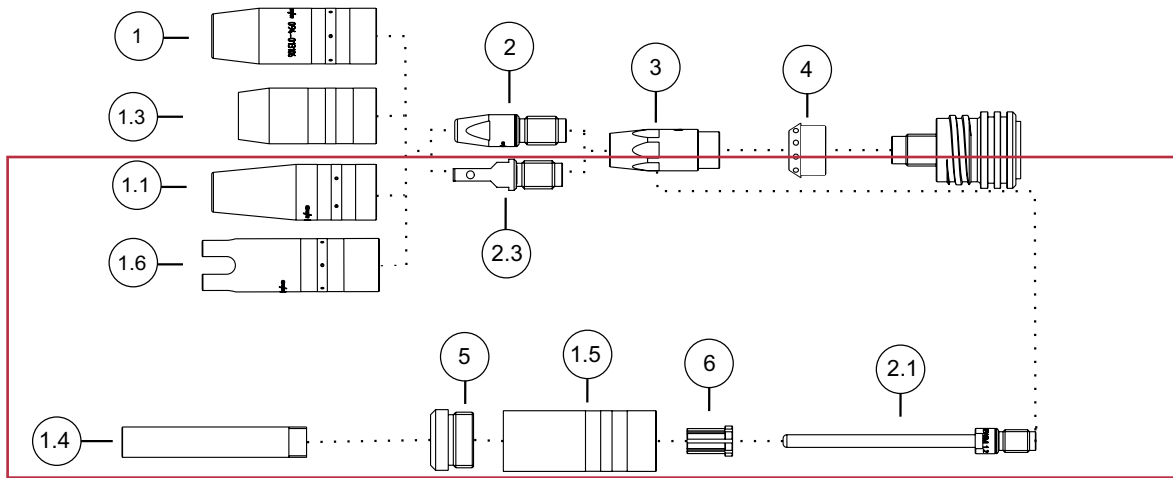
Narrow gap welding with welding torches PM 221 G/MT221G/PM 301 W/MT301W*



Item	Designation	Nozzle Ø	Wire Ø	Thread	Length	Material	Packing unit	Item no.	PG	Price
		mm	mm		mm		Units			Per unit
1.2	Gas nozzle, bottle neck	10.5	-	-	68	-	2	094-020136-00000	B2	20,10 €
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000	E6	2,12 €
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000	B2	0,67 €
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000	B2	0,67 €
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000	B2	0,47 €
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000	B2	0,47 €
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000	B2	0,47 €
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000	B2	0,47 €
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000	B2	0,47 €
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000	B2	0,47 €
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000	B2	0,47 €
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000	B2	0,47 €
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000	B2	6,15 €

* Not suitable for fume extraction torches MT221G F and MT301W F

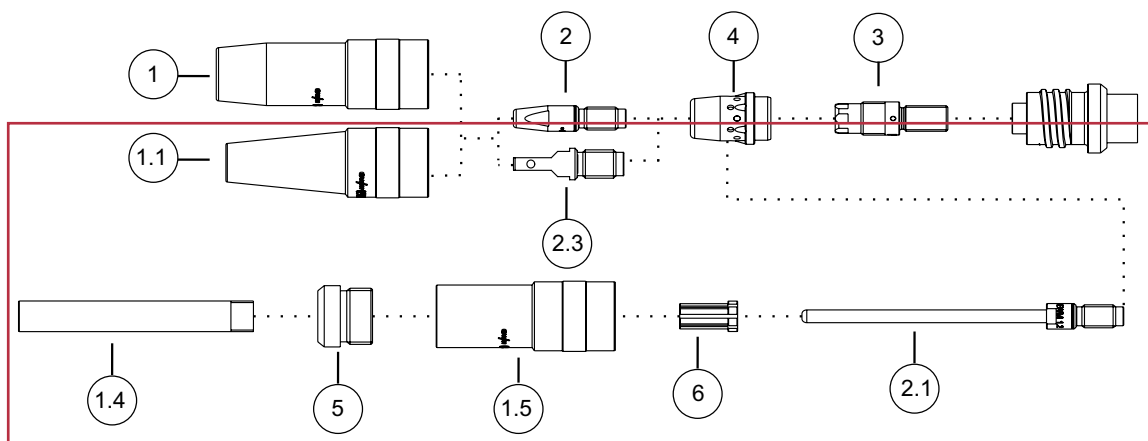
Narrow gap welding with welding torches PM 301 G/MT301G/PM 451 W/MT451W*



Item	Designation	Nozzle Ø	Wire Ø	Thread	Length	PU	Item no.	PG	Price
		mm	mm		mm	Units			Per unit
1.1	Gas nozzle, conical, narrow gap welding	13	-	-	71	10	094-019853-00001	B2	11,28 €
1.4	Gas nozzle for narrow gap welding	-	-	-	73	10	094-019626-00000	B2	6,50 €
1.5	Gas nozzle body	-	-	-	-	10	094-019623-00000	B2	7,62 €
2.1	Contact tip for narrow gap welding	-	0.8	M9	-	10	094-021189-00000	B2	10,80 €
2.1	Contact tip for narrow gap welding	-	1.0	M9	-	10	094-019616-00000	B2	10,80 €
2.1	Contact tip for narrow gap welding	-	1.2	M9	-	10	094-019617-00000	B2	10,80 €
2.1	Contact tip for narrow gap welding	-	1.4	M9	-	10	094-020019-00000	B2	8,20 €
2.1	Contact tip for narrow gap welding	-	1.6	M9	-	10	094-019618-00000	B2	10,80 €
5	Insulation part	-	-	-	-	1	094-019625-00000	B2	21,95 €
6	Centring sleeve	-	-	-	15	10	094-019627-00000	B2	2,18 €

* Not suitable for MT451W F fume extraction torch

Narrow gap welding with welding torches PM 401 G/MT401G/PM 551 W/MT551W



Item	Designation	Nozzle Ø	Wire Ø	Thread	Length	Pack- ing unit	Item no.	PG	Price
		mm	mm		mm	Units			Per unit
1.1	Gas nozzle, conical, narrow gap welding	13	-	-	63	10	094-019702-00000	B2	12,67 €
1.4	Gas nozzle for narrow gap welding	-	-	-	73	10	094-019626-00000	B2	6,50 €
1.5	Gas nozzle body	-	-	-	-	10	094-019624-00000	B2	10,15 €
2.1	Contact tip for narrow gap welding	-	0.8	M9	-	10	094-021189-00000	B2	10,80 €
2.1	Contact tip for narrow gap welding	-	1.0	M9	-	10	094-019616-00000	B2	10,80 €
2.1	Contact tip for narrow gap welding	-	1.2	M9	-	10	094-019617-00000	B2	10,80 €
2.1	Contact tip for narrow gap welding	-	1.4	M9	-	10	094-020019-00000	B2	8,20 €
2.1	Contact tip for narrow gap welding	-	1.6	M9	-	10	094-019618-00000	B2	10,80 €
5	Insulation part	-	-	-	-	1	094-019625-00000	B2	21,95 €
6	Centring sleeve	-	-	-	15	10	094-019627-00000	B2	2,18 €

Users report their real-life experiences

Extract from ISW Steel Components' Customer Story. For the full report, visit <https://products.ewm-group.com/en/reference-customers.html>



ISW Steel Components relies on EWM welding equipment.

8 hours, 350 amperes, 1 contact tip

Even though it is one of the smallest components in a welding machine, the contact tip is crucial to the process. It doesn't just conduct the welding current of 350 amperes and more to the wire electrode, but also guides this welding consumable to the welding spot. In 2008, the company switched all its welding production over to EWM products: the welders tested machines from three major manufacturers and decided on the machines from the Westerwald welding machine manufacturer.

Existing automation solutions have been retrofitted over the past few years. The robotic welding system was equipped with a new power source – an alpha Q

Limberger, Managing Director of ISW. "And this is even though we use high currents of 350 amperes and more."

Functionalities of the welding torch

A particular advantage according to ISW is that the same contact tips are used for both the MT or, as of late, the PM series of EWM welding torches when welding manually. The downtime during manual manufacturing is also significantly reduced thanks to the longer service life of the consumables.

"The nozzle can probably last longer, but we prefer to err on the side of caution".

This improves productivity. However, there is also another feature of the welding torch that is particularly advantageous for welders: no need to walk back and forth.

Thanks to the integrated control and graphic display on the RD3X professional welding torch,

The M9 contact tips used by ISW have a 15 per cent longer contacting surface compared to the M8 contact tip, as well as a 30 per cent larger threaded cross section. The contact with the welding wire is better and heat is dissipated more effectively. This increases the service life of the contact tip.



Thanks to the integrated control and graphic display on the RD3X function torch, all the relevant parameters can be set directly on the welding torch. LED lighting illuminates dark working areas.



from EWM. It is equipped with Titan technology with all the innovative EWM welding processes and new EWM welding torches for automated use. Plus, the system was also connected to ewm Xnet 2.0. Only EWM contact tips have been used for automated manufacturing since then. EWM contact tips are made from high-quality CuCrZr and have a 15 per cent longer contacting surface compared to the M8 standard contact tip, as well as a 30 per cent larger threaded cross section. Contact with the welding wire is better and heat is dissipated more effectively. A contact tip can remain in a torch for up to eight hours of welding. This is the average length of time it takes to weld a component in the automated system. As a result, throughput times could be increased. Previously, contact tips only lasted a maximum of one hour. Now, an entire component can be finished with EWM. "The nozzle can probably last longer, but we prefer to err on the side of caution," said Stefan

the relevant parameters can be set directly on the welding torch. Thus, reducing the need to walk a long way back to the welding machine. This is particularly useful for welders when working on large components or in hard-to-reach places. They can adjust the parameters without leaving their position. The LED lighting on the welding torch lights up dark working areas and the ergonomic and convenient design, as well as the balance and weight of the welding torch are other features that make work significantly easier for welders.

Users report their real-life experiences

Extract from Hüffermann Transportsysteme GmbH Customer Story. For the full report, visit <https://products.ewm-group.com/en/reference-customers.html>



Hüffermann
Transportsysteme GmbH

Up to 10% more trailers annually per workstation

Hüffermann switch all welding production over to EWM products

Durable torch consumables minimise replacement times.

The most impressive feature of welding torches from EWM is the long service life of the consumables, especially the contact tip. In the past, this part had to be replaced three times a day. Nowadays, every EWM nozzle lasts around a week. With a replacement time of only five minutes, the time saved just by using the EWM consumable amounts to 15 minutes a day, which is equivalent to five hours a month. At some workstations, the nozzles even last five to six weeks. As the welding procedure is very stable

The most impressive feature of welding torches from EWM is the long service life of the consumables.

and the arc is so well covered by the laminar gas flow, the entire welding procedure is virtually spatter-free – this also makes replacement of the gas nozzle obsolete. It simply doesn't get dirty.

The fact that the welding torches use the same consumables for both manual welding and automated welding makes order management and warehousing especially easy.

The welding torch is equipped with an integrated remote control. This enables welders to switch back and forth between the various programs directly at the welding torch, eliminating the need to go back to the power source. "Not having to go back and forth makes

things enormously easier for welders," said Völker in regard to this advantage. The time which used to be spent going back and forth can now be spent welding, which increases productivity accordingly.

The X technology function torch requires no additional control cable with plugs. This makes the torch hose package lighter and increases service life.

Easy wire feeding from above

Thanks to the introduction of an articulated arm, welders' work has been made especially easier. The wire feeder is

This makes the welder's job much easier

located at a height of 3.5 m on a swivelling mount above the welding area. The welding torch and hose package also come from there. This not only makes welders' work much easier, as they don't always have to lift the hose package, but it makes their work much more comfortable, as there are no longer things lying around on the floor – like the intermediate hose package and wire feeder. Thanks to the easy-to-move joint, the welding torch is always right where it should be.

The hose package is 6.5 metres long, which makes the working radius especially large. This great length has been made possible by increasing the wire diameter from 1.0 to 1.2 mm.



Automated production of the base support with two EWM AMT welding torches in parallel. Thanks to forceArc puls, distortion is reduced, welding speed is increased and process reliability is raised.



The swivelling articulated arm with wire feeder and supply line to the welding torch are located above the workstation. The 6.5-metre-long welding torch hose package facilitates working within a large area.

UM series – universal

Highlights

- Impressive overall package: Solid technology and the sophisticated grip design guarantee good handling.
- High working comfort for everyday use
- Time-tested consumables concept with standard M6 and M8 threads
- Robust, ergonomic grip
- Rubber inserts and a ball joint on the grip for safe, precise operation
- Impressive price/performance ratio
- Suitable for any machine with a Euro torch connector

Welding torch design

Sophisticated grip design

- Robust torch design combined with excellent handling

Rubber inserts for optimal grip

- Ensure optimal grip when guiding the torch.

Compact ball joint provides optimal range of movement

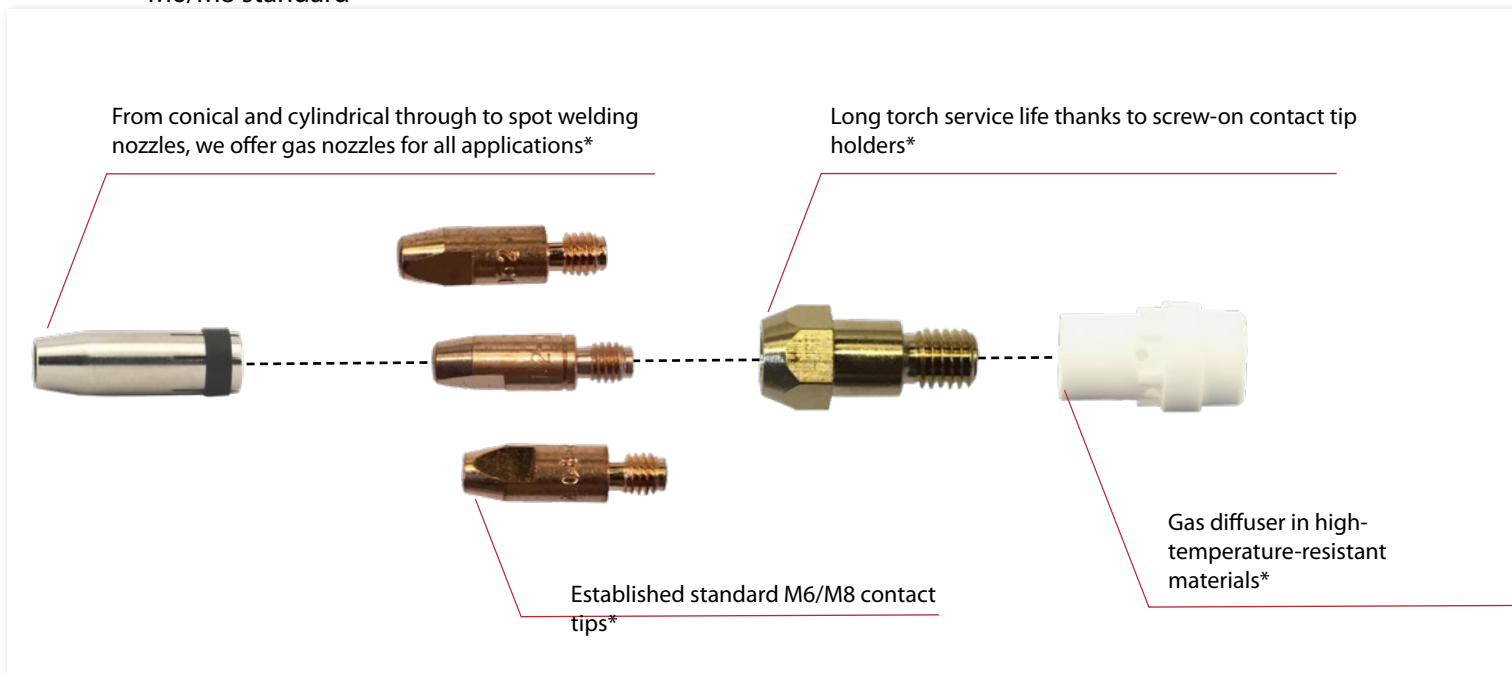
- Comfortable working conditions thanks to strain relief



EWM UM consumables

Their high availability and compatibility with worldwide standard consumables prevent long production downtimes.

- Consumables compatible with many other MIG/MAG welding torches commonly found on the market
- Good price/performance ratio
- M6/M8 standard



*Image based on the UM 36 G welding torch as an example. Equipment options vary depending on the model.

UM series – universal



Type	UM 15 G	UM 24 G	UM 25 G
Cooling	gas cooled "G"	gas cooled "G"	gas cooled "G"
Welding current CO ₂	180 A/60%	250 A/60%	230 A/60%
Welding current M21	150 A/60%	220 A/60%	200 A/60%
Shielding gas	Argon, mixed gas M21 or CO ₂ conforming to DIN EN ISO 14175		
Wire diameter	0.6 to 1.0 mm	0.6 to 1.2 mm	0.6 to 1.2 mm
Hose package length	3 m/4 m/5 m	3 m/4 m/5 m	3 m/4 m/5 m
Connection	Euro torch connector	Euro torch connector	Euro torch connector
Torch data in accordance with	IEC 60974-7	IEC 60974-7	IEC 60974-7



For all information on our product range, visit www.ewm-sales.com.



UM 36 G	UM 240 W	UM 401 W	UM 501 W
gas cooled "G"	water cooled "W"	water cooled "W"	water cooled "W"
300 A/60%	300 A/100%	400 A/100%	500 A/100%
270 A/60%	270 A/100%	350 A/100%	450 A/100%
Argon, mixed gas M21 or CO ₂ conforming to DIN EN ISO 14175			
0.8 to 1.4 mm	0.6 to 1.2 mm	0.8 to 1.6 mm	0.8 to 1.6 mm
3 m/4 m/5 m	3 m/4 m/5 m	3 m/4 m/5 m	3 m/4 m/5 m
Euro torch connector	Euro torch connector	Euro torch connector	Euro torch connector
IEC 60974-7	IEC 60974-7	IEC 60974-7	IEC 60974-7

Special torch design according to your specifications

Whether you're looking for MIG/MAG, TIG or Plasma - we build the perfect welding torch for your application

In addition to our in-house series production of welding torches, we also manufacture welding torches tailored to your specific application. This way, we guarantee you the very best component for your welding task – for both manual and automated welding.

Highlights

- Wide product range: from gas-cooled or replaceable-neck torches through to fume extraction torches
- EWM's own consumables guarantee a long service life and best integration into the welding system



Automated welding inside pipes with an extra-long torch neck



MAG hot wire welding

- Cladding with a deposition rate up to 13.8 kg



Welding inside pipes with extra long torch neck and small bend radius

Applications

Task scope:

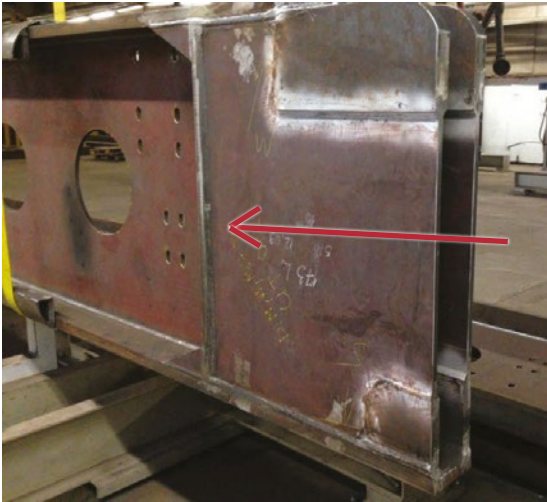
- Welding inside steel structures

EWM solution:

- Torch neck based on the MT551W with a length of 1,500 mm

Customer benefit:

- Welding location easily accessible
- Improved visibility of the seam
- Reduced costs due to use of standard MT consumables



Task scope:

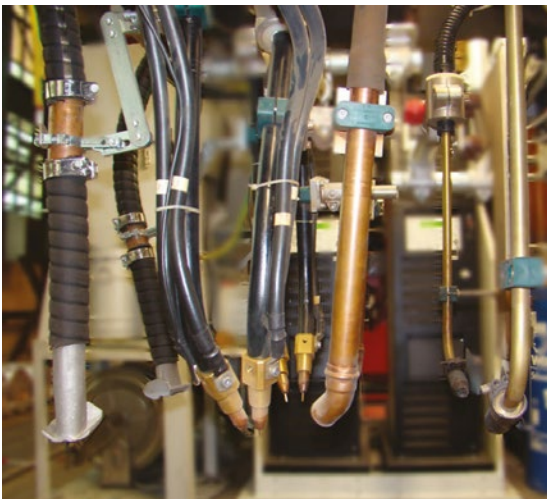
- Reduce downtimes during automated welding of steel structures

EWM solution:

- Welding torch with water-cooled gas nozzle and exchangeable gas nozzle tip

Customer benefit:

- The targeted cooling of the gas nozzle enables a duty cycle of 650 A/100%
- High cost savings thanks to separate exchange of the gas nozzle tip
- Other consumables are standard MT consumables.



Task scope:

- Space-saving welding torch for use at longitudinal carriages and orbital welding installations

EWM solution:

- Automated welding torch based on AMT551W with a total length of just 61 mm

Customer benefit:

- More compact design of the longitudinal carriages
- Orbital welding installations require less space to go round the pipe
- Reduced costs due to use of standard MT consumables





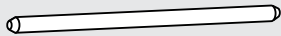


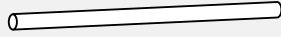



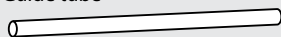
Recommended equipment for EWM MIG/MAG welding torches

Using the example of a PM 551 W RD3 X

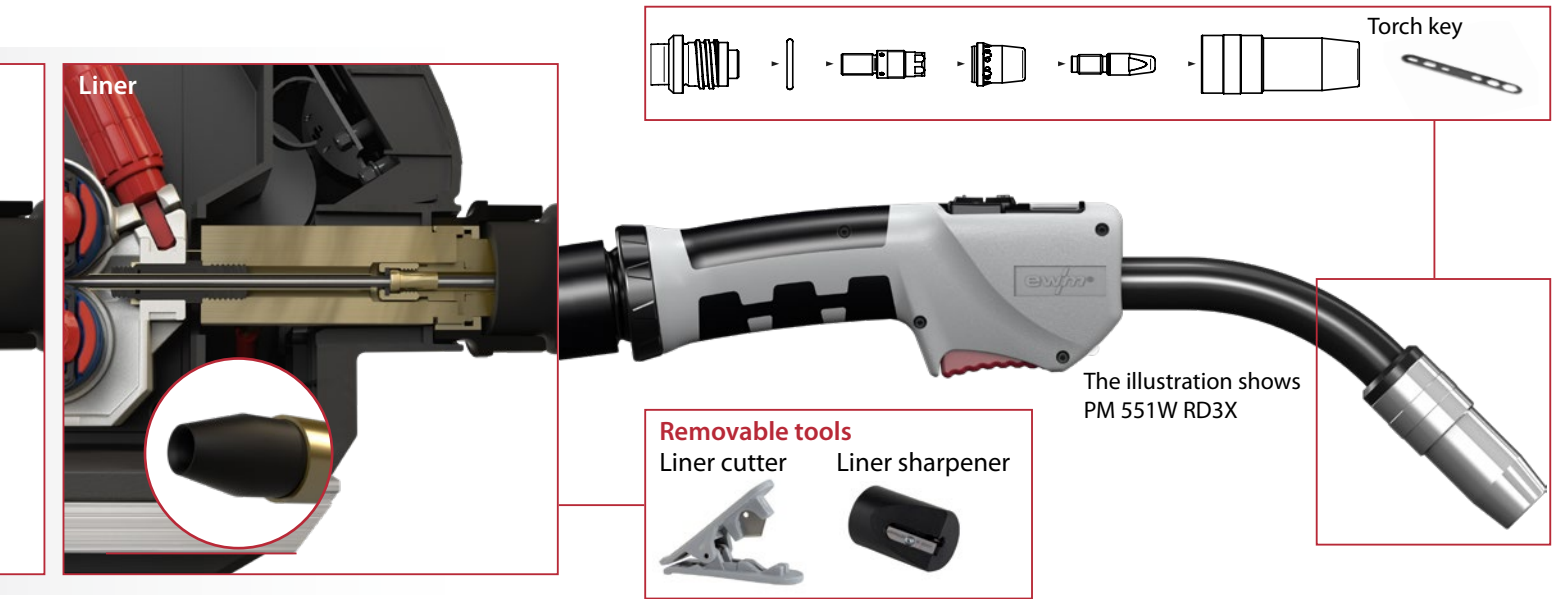
Details for the individual torch types can be found in the chapter on MIG/MAG welding torches.



Use a steel liner with a capillary tube to weld hard, unalloyed wire electrodes (steel).

	Drive rolls	Equipment
MIG/ MAG	Steel   V-groove UNI roll e.g. Ø 1.0–1.2 mm blue/red	Capillary tube  <hr/> Guide tube 
	CrNi	
	Aluminium   U-groove roll e.g. Ø 0.9–1.0 blue/yellow	Guide tube 
	Aluminium AC	
	Flux cored wire, steel   V-groove, knurled e.g. Ø 1.0 mm blue/orange	Capillary tube  <hr/> Guide tube 
	Flux cored wire CrNi	

Use a liner with a guide tube to weld or braze soft or alloyed wire electrodes.

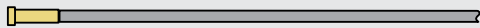


Brass liner

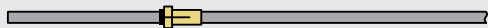
Contact tip

Gas nozzle

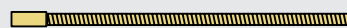
Steel liner



Plastic liner



Length 200 mm



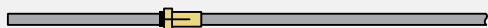
CuCrZr



NW17



Plastic liner



Length 30 mm



Length 100 mm



Please note: The torch neck liner must be shortened to the required length by the user.

E-Cu



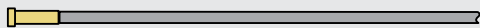
NW15



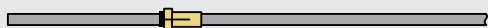
Forced contact



Steel liner



Plastic liner



Length 200 mm



CuCrZr



NW17

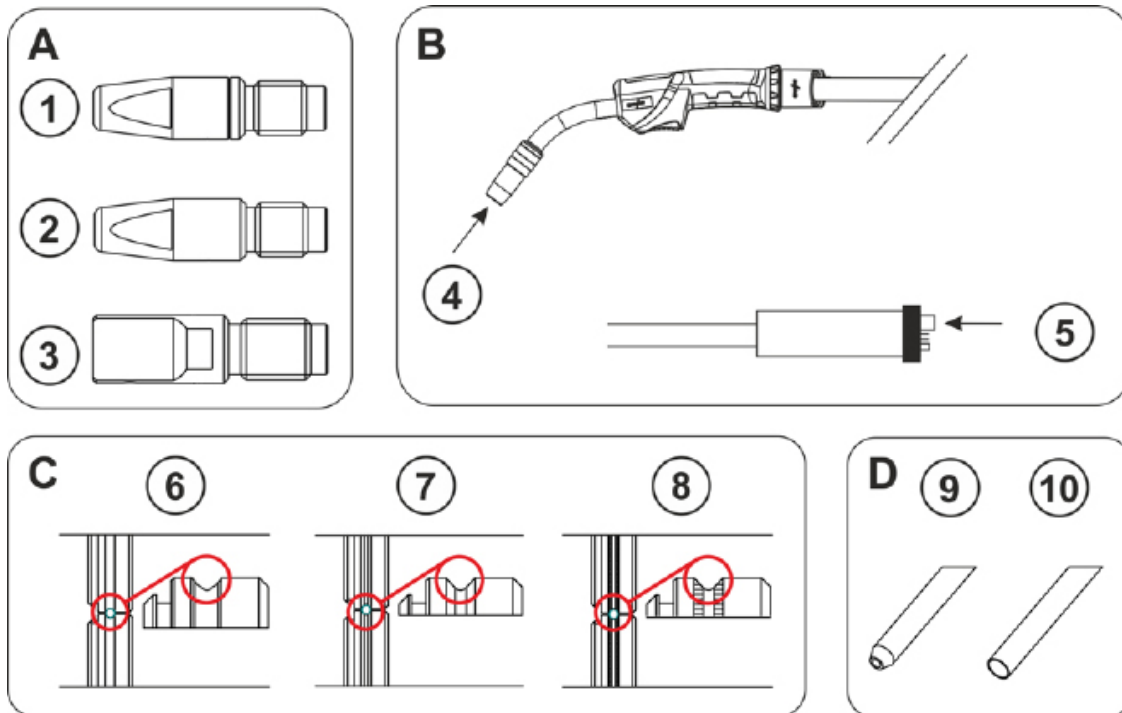


Wire feed roll mount wear set eFeed (092-002960-E0000)



The plastic adapter of the wire feed roll mount of the eFeed drive may wear out after long intensive loads. This wear may cause problems in the wire feeding. EWM recommends: An annual check of the wire feed roll mount as part of the test EN 60974-4, and a replacement after 2,000 hours of running time

Recommended equipment for EWM MIG/MAG welding torches

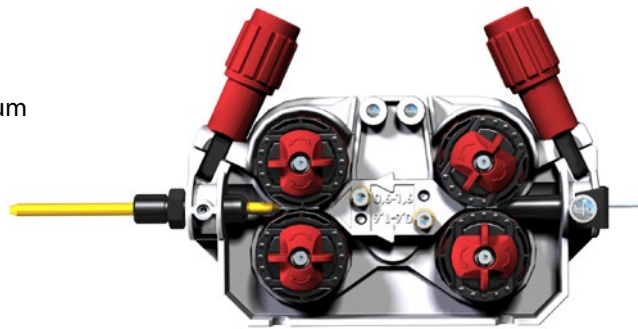


	Material	Contact tip version (A)	Equipment side (B)	Wire feed rolls (C)	Capillary tube/guide tube (D)
Wire electrodes	Low-alloy	① CT CuCrZr	⑤	⑦ V-groove	⑨ Capillary tube
	Medium-alloy	① CT CuCrZr	⑤	⑦ V-groove	⑩ Guide tube
	Hardfacing	① CT CuCrZr	⑤	⑦ V-groove	⑩ Guide tube
	High-alloy	① CT CuCrZr	⑤	⑦ V-groove	⑩ Guide tube
	Aluminium	② CTAL E-Cu	④	⑥ U-groove	⑩ Guide tube
	Aluminium (AC)	③ CT ZWK CuCrZr	④	⑥ U-groove	⑩ Guide tube
	Copper alloy	① CT CuCrZr	⑤	⑦ V-groove	⑩ Guide tube
Flux cored wire electrodes	Low-alloy	① CT CuCrZr	⑤	⑧ V-groove, knurled	⑨ Capillary tube
	High-alloy	① CT CuCrZr	⑤	⑧ V-groove, knurled	⑩ Guide tube

	Material	Wire Ø	Wire guide Ø	Liner	Length of torch neck liner
Wire electrodes	Low-alloy	0.8	1.5 x 4.0	Steel liner	
		1.0	1.5 x 4.0		
		1.2	2.0 x 4.0		
		1.6	2.4 x 4.5		
	Medium-alloy	0.8	1.5 x 4.0	Combined liner	200 mm
		1.0	1.5 x 4.0		
		1.2	2.0 x 4.0		
		1.6	2.3 x 4.7		
	Hardfacing	0.8	1.5 x 4.0	Combined liner	200 mm
		1.0	1.5 x 4.0		
		1.2	2.0 x 4.0		
		1.6	2.3 x 4.7		
	High-alloy	0.8	1.5 x 4.0	Combined liner	200 mm
		1.0	1.5 x 4.0		
		1.2	2.0 x 4.0		
		1.6	2.3 x 4.7		
	Aluminium	0.8	1.5 x 4.0	Combined liner	30 mm
		1.0	1.5 x 4.0		
		1.2	2.0 x 4.0		
		1.6	2.3 x 4.7		
AC welding of aluminium	0.8	1.5 x 4.0	Combined liner	100 mm	
	1.0	1.5 x 4.0			
	1.2	2.0 x 4.0			
	1.6	2.3 x 4.7			
Copper alloy	0.8	1.5 x 4.0	Combined liner	200 mm	
	1.0	1.5 x 4.0			
	1.2	2.0 x 4.0			
	1.6	2.3 x 4.7			
Flux cored wire electrodes	Low-alloy	0.8	1.5 x 4.0	Steel liner	
		1.0	1.5 x 4.0		
		1.2	2.0 x 4.0		
		1.6	2.4 x 4.5		
	High-alloy	0.8	1.5 x 4.0	Combined liner	200 mm
		1.0	1.5 x 4.0		
		1.2	2.0 x 4.0		
		1.6	2.3 x 4.7		

Capillary tube/guide tube for EWM machines and wire feeders

The use of capillary or guide tubes ensures optimum wire feeding from spool to weld pool.



Recommendation:

- Use a steel liner with a capillary tube to weld hard, unalloyed wire electrodes (steel).
- For welding or brazing of soft or alloyed wire electrodes, use a plastic liner with a guide tube

The Euro torch connectors on our wire feeders and welding machines are equipped with a capillary tube for welding torches with steel liners (for wires ≤ 1.6 mm) ex-works. The Euro torch connector needs to be modified accordingly on the machine if a welding torch with a plastic liner is used!




If welding torches and the Euro torch connector are not equipped in line with the wire electrode used, there will be problems with wire feeding:

- Bird nest
- Jolting, irregular wire feed; the whole wire feed system may get jammed

Use on wire feeders with eFeed drive:

		Capillary tube	Guide tube
		Wires ≤ 1.6 mm: 094-006634-00000 Wires ≤ 2.4 mm: 094-021470-00000 Wires ≥ 2.4 mm: On request	Wires ≤ 1.6 mm: 094-020064-00000 Wires ≤ 2.4 mm: On request Wires ≥ 2.4 mm: On request
Machine series			
Drive XQ drive 4X Drive 4X Steel Drive 4 Basic S drive 4 Basic		●	●
drive 4X IC drive 4X IC D drive 4 IC		●	●

Use on compact welding machines with eFeed drive:

		Capillary tube	Guide tube
		Wires ≤ 1.6 mm: 094-006634-00000 Wires ≤ 2.4 mm: 094-021470-00000 Wires ≥ 2.4 mm: On request	Wires ≤ 1.6 mm: 094-020064-00000 Wires ≤ 2.4 mm: On request Wires ≥ 2.4 mm: On request
Machine series			
Picomig 185/305 Phoenix/Taurus 355 compact		●	●
Phoenix/Taurus 351/401/501 compact		●	●
Titan XQ 350/400 C		●	●

Use on machines/wire feeders without eFeed

	Capillary tubes		Guide tube	
	094-006634-00000 (≤ 1.6 mm Ø)	094-014186-00000 (≤ 1.6 mm Ø)	094-006051-00000	
	094-021470-00000 (≤ 2.4 mm Ø)	094-007515-00000 (≤ 2.0 mm Ø)		
Compact machines (machines with integrated wire feed mechanism)				
Mira		●		094-019350-00000
Saturn	●		●	
Wega	●		●	
Picomig 180	094-014667-00000 (< 2.0 mm Ø)			094-018316-00000
	Capillary tubes		Guide tube	
	094-006634-00000 (≤ 1.6 mm Ø)	094-002559-00000 (≤ 1.6 mm Ø)	094-006051-00000	094-001064-00000
	094-021470-00000 (≤ 2.4 mm Ø)	094-007515-00000 (≤ 2.0 mm Ø)		
Wire feeders				
drive 41L		●		●
drive 41	●		●	
Drive 4X Steel D200 Drive 4 Basic S D200	094-014667-00000 (≤ 2.0 mm Ø)			094-018316-00000

Euro torch connectors for wire feed side available on request.

- All MT torches are equipped with a Euro torch connector as standard.
 - Other connectors available ex works on request.
- Examples:

FZA G, gas-cooled version¹⁾



FZA WI, version with internal coolant supply²⁾

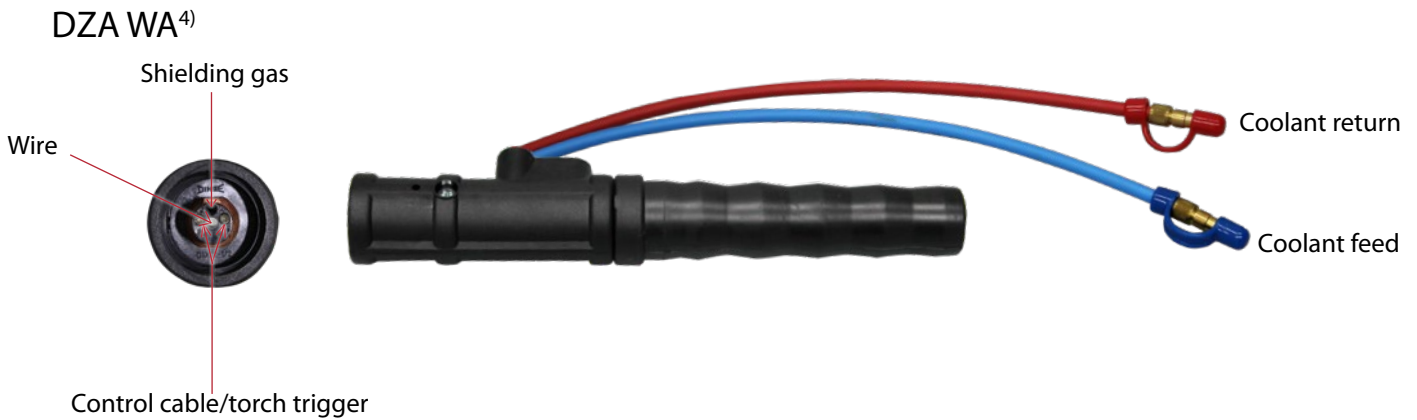


FZA WA, version with external coolant supply³⁾



! Use all FZA connections in conjunction with the corresponding steel liners only:





Designation	Diameter	Length	Colour code	Item no.
Steel liner	Ø 1.6 x 4.6 mm	3.5 m	blue	094-020783-00000
Steel liner	Ø 1.6 x 4.6 mm	4.5 m	blue	094-020784-00000
Steel liner	Ø 1.6 x 4.6 mm	5.5 m	blue	094-020785-00000
Steel liner	Ø 2.0 x 4.6 mm	3.5 m	red	094-020786-00000
Steel liner	Ø 2.0 x 4.6 mm	4.5 m	red	094-020787-00000
Steel liner	Ø 2.0 x 4.6 mm	5.5 m	red	094-020788-00000
Collet chuck	Ø 4.0 mm	-	-	094-020782-00000



Instructions for use

- ¹⁾ Compatible with gas-cooled welding torches by Fronius International GmbH
- ²⁾ Compatible with water-cooled welding torches with internal coolant supply by Fronius International GmbH
- ³⁾ Compatible with water-cooled welding torches with external coolant supply by Fronius International GmbH
- ⁴⁾ Compatible with welding torches by DINSE GmbH
- ⁵⁾ Compatible with water-cooled welding torches with external coolant supply by Carl Cloos Schweißtechnik GmbH
- ⁶⁾ Compatible with water-cooled welding torches with internal coolant supply by Carl Cloos Schweißtechnik GmbH

MIG/MAG welding torch symbols and abbreviations

	19-pole control cable connection
	Torch hose package length
	Thread diameter
	Control cable connection

2U/D	2 x Up/Down controls
CG	Replaceable torch neck, gas cooled
CW	Replaceable torch neck, water cooled
EZA	Euro torch connector
G	Gas cooled
G F	Gas cooled with fume extraction
MT	MIG torch
PC1	Powercontrol 1
PC2	Powercontrol 2
PM	Professional MIG torch
PP	Push/pull
RD2	Remote Control 2
RD3	Remote Control 3
U/D	Up/Down control
UM	Universal MIG
W	Water cooled
W F	Water cooled with fume extraction
WL	Water cooled, long torch neck
WS	Water cooled, short torch neck



Overview of PM welding torch models



Gas cooled

Dimensions	PM 221 G			PM 301 G				PM 401 G	
	0°	36°	45°	0°	22°	36°	45°	0°	45°
Angle A (°)	0°	36°	45°	0°	22°	36°	45°	0°	45°
Height H (mm)	-	59	75	-	35	61	77	-	102
Length L (mm)	179	161	151	197	190	179	167	252	214
Radius R (mm)	-	70		-	70			-	100
Diameter Ø (mm)	16			18				18	

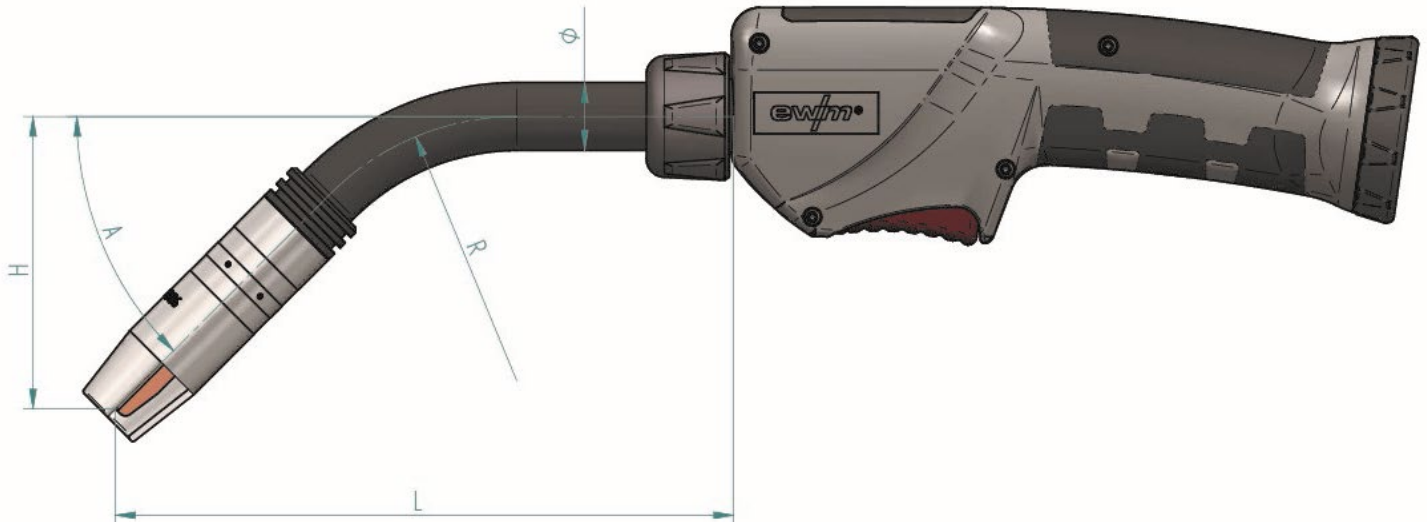
Water cooled

Dimensions	PM 301 W		PM 451 WS		PM 451 W					PM 451 WL			PM 551 WS			PM 551 W				PM 551 WL					
	0°	45°	0°	45°	0°	22°	36°	45°	50°	0°	35°	45°	0°	22°	36°	0°	22°	36°	45°	0°	22°	35°	45°		
Angle A (°)	0°	45°	0°	45°	0°	22°	36°	45°	50°	0°	35°	45°	0°	22°	36°	0°	22°	36°	45°	0°	22°	35°	45°		
Height H (mm)	-	70	-	72	-	38	62	79	92	89	-	75	109	-	130	121	-	35	60	76	85	-	44	72	102
Length L (mm)	172	146	142	115	180	173	161	150	144	143	218	196	177	136	30	51	172	166	154	144	141	210	202	189	171
Radius R (mm)	-	50	-	50	-	70			100	70	-	70	100	-	50	-	70			100	-	70		100	
Diameter Ø (mm)	16		19		19					19			19			19				19					

installed as standard ex works

The other versions can be built and ordered upon request.

Overview of PM replaceable neck torch models



Gas cooled

Dimensions	PM 221 CG				PM 301 CG				PM 401 CG				
	0°	22°	36°	45°	0°	22°	36°	45°	0°	22°	36°	45°	
Angle A (°)	0°	22°	36°	45°	0°	22°	36°	45°	0°	22°	36°	45°	
Height H (mm)	-	32	55	69	-	35	61	77	-	44	74	93	102
Length L (mm)	179	165	154	144	193	186	145	164	277	269	255	241	240
Radius R (mm)	-	50			-	70			-	70			100
Diameter Ø (mm)	16				18				18				

Water cooled

Dimensions	PM 301 CW				PM 451 CW				
	0°	22°	36°	45°	0°	22°	36°	45°	
Angle A (°)	0°	22°	36°	45°	0°	22°	36°	45°	
Height H (mm)	-	32	55	70	-	38	65	83	92
Length L (mm)	178	172	161	152	219	211	199	187	188
Radius R (mm)	-	50			-	70			100
Diameter Ø (mm)	16				19				

installed as standard ex works

The other versions can be built and ordered upon request.

PM welding torch presentation case

Item number: 094-025373-00000

Patented* cooling system

- Gas cooled
- Internal insulation
- Inner tube made of CuCrZr

* EP 2407268 B1



1 Parallel double-circuit cooling

- Water cooled
- 4 conduits in inside cooling circuit
- Shielding gas conduit and insulation (white)
- 8 conduits in outside cooling circuit



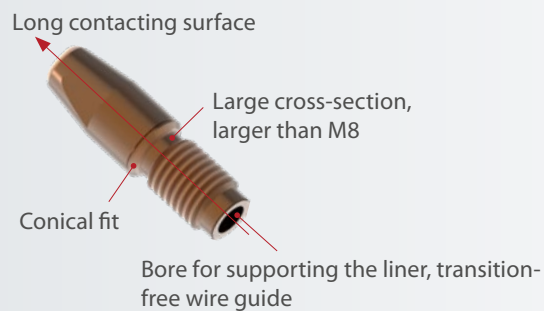
2 Conical fit for CG and CW replaceable neck welding torches

3 Pistol grip

- With integrated consumables key

4 EWM M7/M9 contact tips

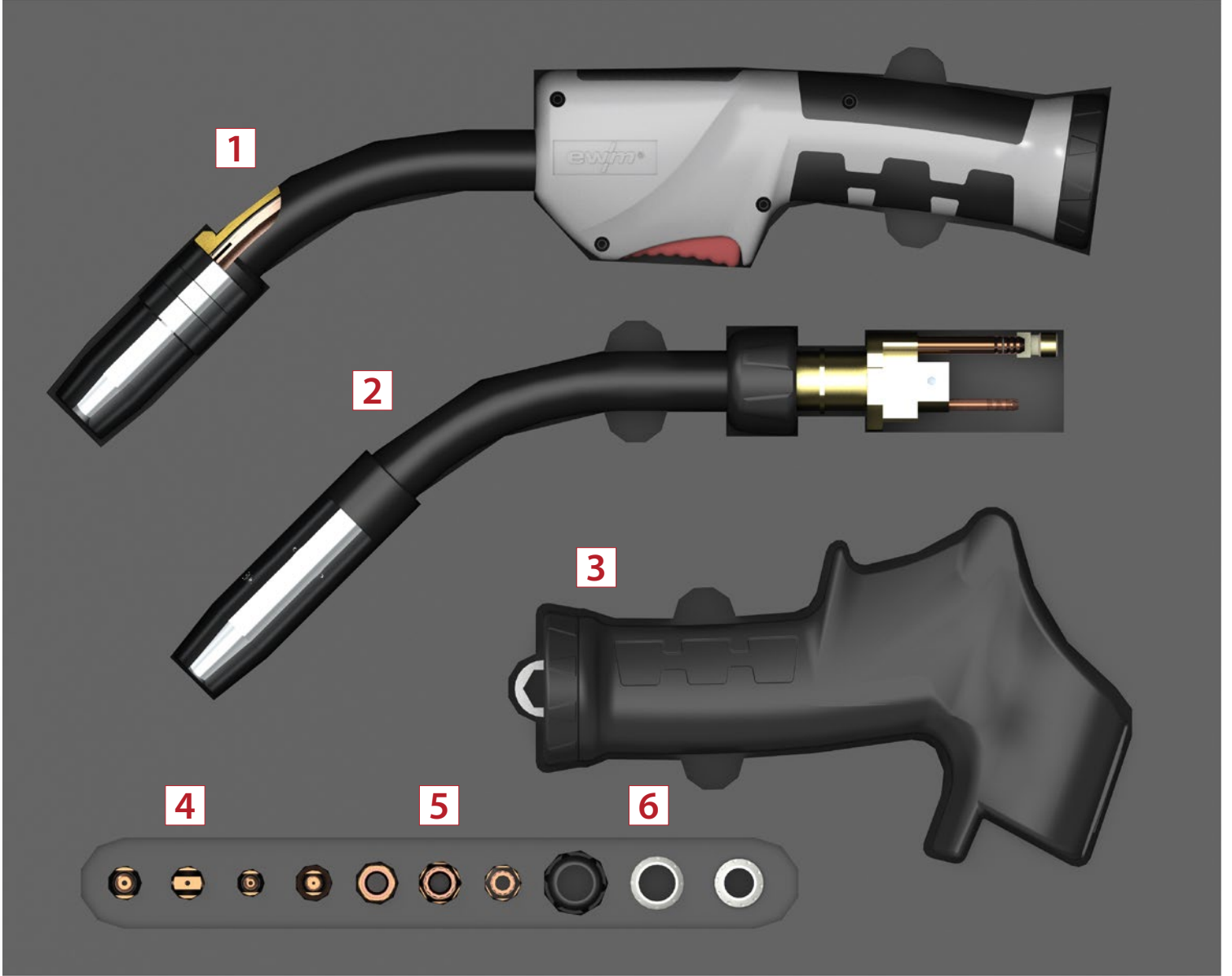
- Longer service life and better heat transfer compared to standard M6/M8 nozzles thanks to 30% larger material cross-section and conical fit



5 Contact tip holders

6 Gas diffuser

- Made of a high-tensile, temperature-resistant special plastic



PM welding torch
video



PM welding torch presentation case

Item number: 094-025373-00000

1 Standard PM welding torch

- Available with or without LED lighting

2 2U/D X function torch

Setting of:

- Welding current and wire feed speed
- Voltage correction or
- Welding programs
- LED lighting
- Also available with control cable (without LED lighting)

3 RD2 X function torch

- Display and setting of:
- Welding current and wire feed speed
- Voltage correction or
- Welding programs
- LED lighting

4 RD3 X function torch

Display and setting of:

- Welding current and wire feed speed
- Voltage correction
- Welding procedure
- Welding programs and tasks (JOBS)
- Operating mode: non-latched/latched
- LED lighting
- Component management

5 Optional torch trigger on top

Available with or without LED lighting

6 Heat protection shield

7 EWM narrow-gap gas nozzle

- Screw-on gas nozzle ensures secure fit even under extreme thermal conditions
- Reduced spatter adhesion thanks to the nickel-plated surface and improved heat dissipation



PM welding torch
video



PM welding torch presentation case

Item number: 094-025373-00000

1 Standard PM 551 WS welding torch with consumables, ball joint and rubber anti-kink device

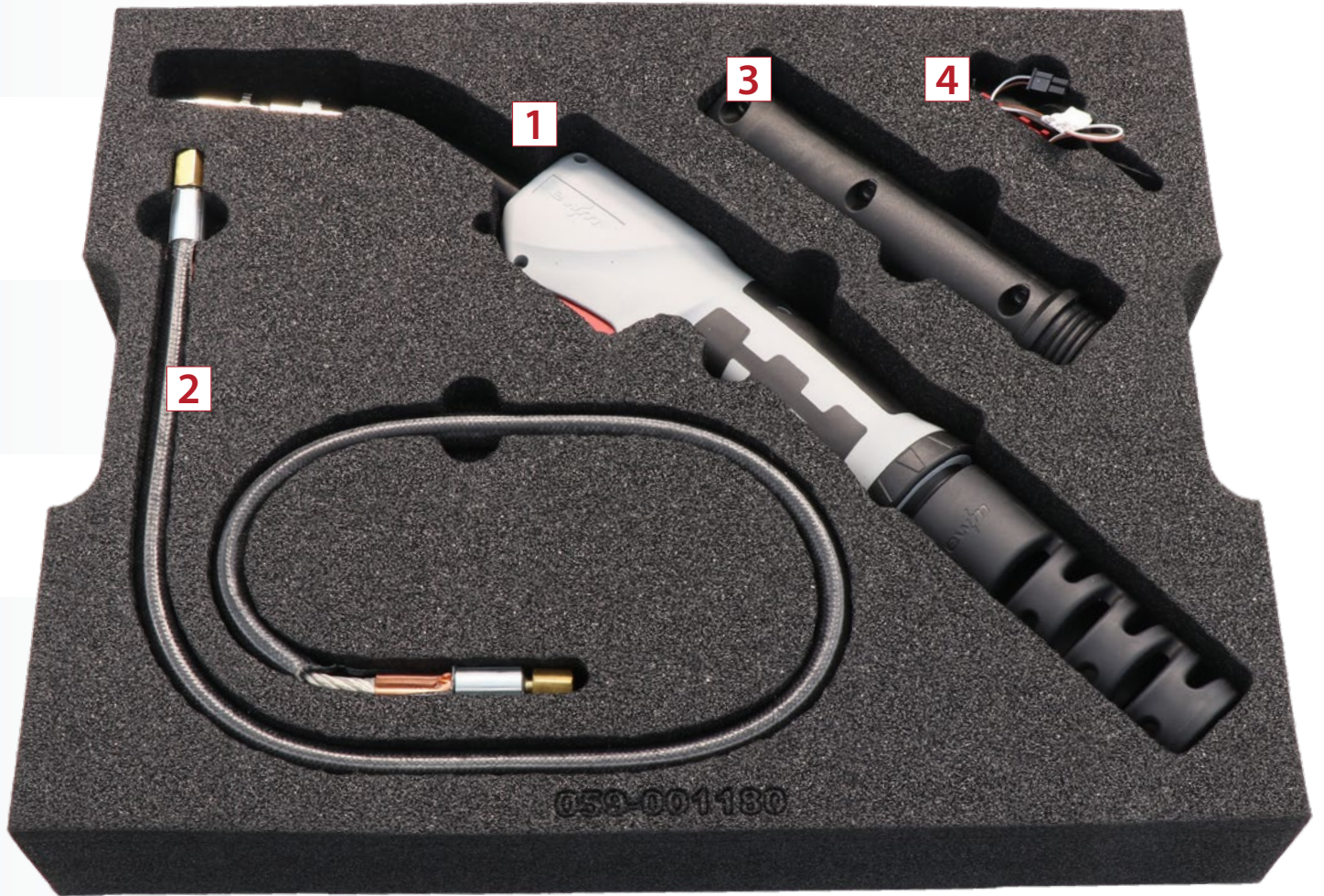
2 Tin-plated power/water cable

- Less oxidation
- No silting of the coolant
- Reinforced hoses

3 Grip for automated welding torches

- Ø 38 mm in clamping range

4 Optional torch trigger extension



PM welding torch
video



MIG/MAG welding torches - Gas-cooled PM welding torches

PM 221 G

PM 221 G	50
PM 221 G LED X	50
PM 221 G 2U/D	51
PM 221 G 2U/D X	51
PM 221 G RD2 X	52
PM 221 G RD3 X	52
PM 221 CG	53
PM 221 CG LED X	53
PM 221 CG 2U/D	53
PM 221 CG 2U/D X	54
PM 221 CG RD2 X	54
PM 221 CG RD3 X	55

PM 301 G

PM 301 G	60
PM 301 G LED X	60
PM 301 G 2U/D	61
PM 301 G 2U/D X	61
PM 301 G RD2 X	62
PM 301 G RD3 X	62
PM 301 CG	63
PM 301 CG LED X	63
PM 301 CG 2U/D	63
PM 301 CG 2U/D X	64
PM 301 CG RD2 X	64
PM 301 CG RD3 X	65

PM 401 G

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PM 401 G 2U/D	71
PM 401 G 2U/D X	71
PM 401 G RD2 X	71
PM 401 G RD3 X	72

PM 301 W

PM 301 W	76
PM 301 W LED X	76
PM 301 W 2U/D	77
PM 301 W 2U/D X	77
PM 301 W RD2 X	78
PM 301 W RD3 X	78
PM 301 CW	79
PM 301 CW LED X	79
PM 301 CW 2U/D	80
PM 301 CW 2U/D X	80
PM 301 CW RD2 X	81

PM 451 W

PM 451 W	86
PM 451 W LED X	86
PM 451 W 2U/D	87
PM 451 W 2U/D X	87
PM 451 W RD2 X	88
PM 451 W RD3 X	88
PM 451 CW	89

PM 451 W

PM 451 CW LED X	89
PM 451 CW 2U/D	90
PM 451 CW 2U/D X	90
PM 451 CW RD2 X	91
PM 451 CW RD3 X	92
PM 451 WL	92
PM 451 WL LED X	93
PM 451 WL 2U/D	93
PM 451 WL 2U/D X	94
PM 451 WL RD2 X	94
PM 451 WL RD3 X	95
PM 451 WS	95
PM 451 WS LED X	96
PM 451 WS 2U/D	96
PM 451 WS 2U/D X	97
PM 451 WS RD2 X	97
PM 451 WS RD3 X	98

PM 551 W

PM 551 W	102
PM 551 W LED X	103
PM 551 W 2U/D	103
PM 551 W 2U/D X	104
PM 551 W RD2 X	104
PM 551 W RD3 X	105
PM 551 WL	105
PM 551 WL LED X	106
PM 551 WL 2U/D	106
PM 551 WL 2U/D X	107
PM 551 WL RD2 X	107
PM 551 WL RD3 X	108
PM 551 WS	108
PM 551 WS LED X	109
PM 551 WS 2U/D	109
PM 551 WS 2U/D X	110
PM 551 WS RD2 X	110
PM 551 WS RD3 X	111

PM 551 W Alu

PM 551 W Alu	116
PM 551 W 2U/D X Alu	116
PM 551 W RD3 X Alu	117

Options PM welding torches	118
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PM 221 G

„Consumables PM 221 G“ on page 56

- Secure hold thanks to rubber inserts in the grip
- The flexible ball joint makes it comfortable to work, even for positional welding
- The torch trigger protection prevents the arc being ignited unintentionally



Equipment as delivered (steel wire Ø 1.0 mm):

- Gas nozzle Ø 13 mm; 66 mm
- Gas diffuser Ø 14 mm; 12.5 mm
- Contact tip M7 x 30 mm; Ø 1.0 mm and contact tip holder M7 x 31.5 mm
- Steel liner blue; Ø 1.5 mm x 3.8 mm



Duty cycle CO2	250 A / 60 %
Duty cycle M21	220 A / 60 %
Duty cycle M21 pulse	150 A / 60 %
Wire Ø	0.8 mm - 1.2 mm
Connection	Euro torch connector
Bend angle torch neck	45 °
Approvals	CE sign

PM 221 G



- Gas-cooled MIG/MAG welding torch
- Fits all welding machines with a Euro torch connector

Operating weight	1.09 kg
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Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, gas-cooled	3.0		094-700000-00000	B1	272.00 €
	4.0	-	094-700000-00004	B1	287.00 €
	5.0		094-700000-00005	B1	304.00 €



PM 221 G LED X



Titan XQ
MULTIMATRIX*

- Gas-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight	1.09 kg
-------------------------	---------

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch with LED lighting, gas-cooled	3.0		094-700000-00900	B1	332.00 €
	4.0	-	094-700000-00904	B1	347.00 €
	5.0		094-700000-00905	B1	364.00 €




„Consumables PM 221 G“ on page 56

PM 221 G 2U/D



- Gas-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology

Operating weight 1.09 kg



Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, gas cooled,	3.0		094-700000-00800	B1	389.00 €
2 up/down	4.0		094-700000-00804	B1	416.00 €
	5.0		094-700000-00805	B1	443.00 €

PM 221 G 2U/D X



- Gas-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight 1.09 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, gas cooled,	3.0		094-700000-00300	B1	368.00 €
2 up/down, X	4.0	-	094-700000-00304	B1	400.00 €
technology	5.0		094-700000-00305	B1	426.00 €

PM 221 G

„Consumables PM 221 G“ on page 56

PM 221 G RD2 X





Titan XQ
MULTIMATRIX*



- Gas-cooled MIG/MAG function torch with high-quality OLED graphic display
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight

1.09 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, gas-cooled, with X technology	3.0		094-700000-00700	B1	432.00 €
	4.0		094-700000-00704	B1	458.00 €
	5.0	-	094-700000-00705	B1	485.00 €

PM 221 G RD3 X





Titan XQ
MULTIMATRIX*



- Gas-cooled MIG/MAG function torch with high-quality OLED graphic display
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
 - **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight

1.09 kg



Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, gas-cooled, with X technology	3.0		094-700000-00600	B1	432.00 €
	4.0		094-700000-00604	B1	458.00 €
	5.0	-	094-700000-00605	B1	485.00 €

PM 221 CG



- Gas-cooled MIG/MAG welding torch with replaceable neck (torch neck rotatable through 360°)
- Fits all welding machines with a Euro torch connector
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Operating weight 1.06 kg

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG welding torch, gas-cooled, replaceable neck	3.0	-	094-700000-03000	B1	314.00 €
	4.0	-	094-700000-03004	B1	331.00 €
	5.0	-	094-700000-03005	B1	346.00 €



PM 221 CG LED X



Titan XQ
MULTIMATRIX*

- Gas-cooled MIG/MAG welding torch with replaceable neck (torch neck rotatable through 360°)
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Operating weight 1.06 kg




Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG welding torch with LED lighting, gas-cooled, replaceable neck	3.0	-	094-700000-03900	B1	374.00 €
	4.0	-	094-700000-03904	B1	391.00 €
	5.0	-	094-700000-03905	B1	406.00 €

PM 221 CG 2U/D



- Gas-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Operating weight 1.06 kg

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, gas cooled, 2 up/down, replaceable neck	3.0	-	094-700000-03800	B1	432.00 €
	4.0		094-700000-03804	B1	458.00 €
	5.0	-	094-700000-03805	B1	485.00 €

PM 221 G

„Consumables PM 221 G“ on page 56

PM 221 CG 2U/D X





Titan XQ
MULTIMATRIX*



- Gas-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
 - **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Operating weight

1.06 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, gas cooled, 2 up/down, replaceable neck, X technology	3.0		094-700000-03300	B1	421.00 €
	4.0		094-700000-03304	B1	448.00 €
	5.0	-	094-700000-03305	B1	475.00 €

PM 221 CG RD2 X





Titan XQ
MULTIMATRIX*



- Gas-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display (torch neck rotatable through 360°)
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Operating weight

1.06 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, gas-cooled, replaceable neck, X technology	3.0		094-700000-03700	B1	485.00 €
	4.0		094-700000-03704	B1	512.00 €
	5.0	-	094-700000-03705	B1	539.00 €

PM 221 CG RD3 X





Titan XQ
MULTIMATRIX*

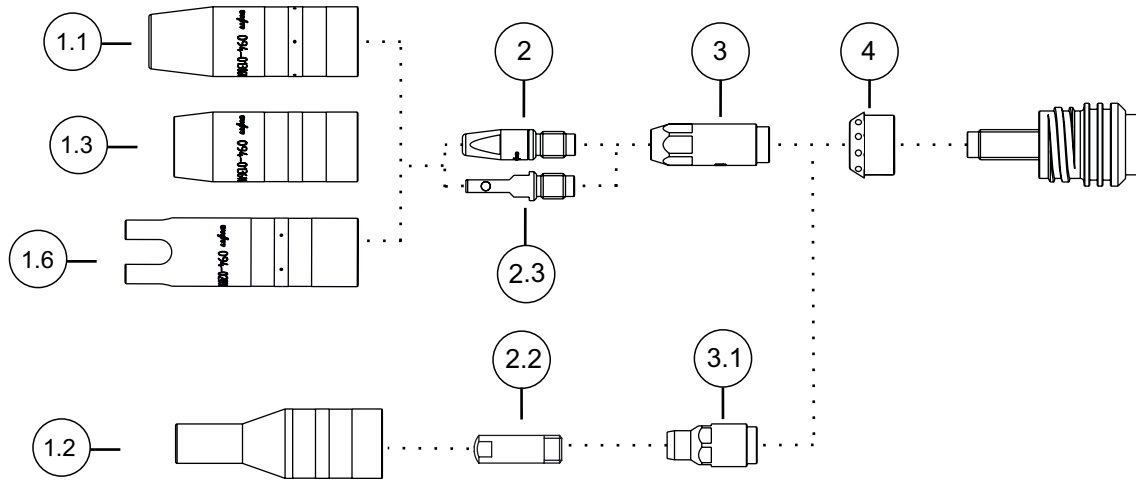


- Gas-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display (torch neck rotatable through 360°)
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
 - **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Operating weight 1.06 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, gas-cooled, replaceable neck, X technology	3.0		094-700000-03600	B1	485.00 €
	4.0		094-700000-03604	B1	512.00 €
	5.0	-	094-700000-03605	B1	539.00 €

Consumables PM 221 G



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.1	Gas nozzle	11	-	-	66	-	10	094-013062-00001	B2	7.03 €
1.1	Gas nozzle	13	-	-	66	-	10	094-013061-00001	B2	7.03 €
1.1	Gas nozzle	16	-	-	66	-	10	094-013063-00001	B2	7.03 €
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	10	094-020136-00000	B2	20.10 €
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000	B2	14.40 €
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000	B2	15.45 €
2	Contact nozzle	-	0.8	M7	30	CuCrZr	10	094-013535-00001	B3	1.87 €
2	Contact nozzle	-	0.9	M7	30	CuCrZr	10	094-013536-00001	B3	1.83 €
2	Contact nozzle	-	1	M7	30	CuCrZr	10	094-013537-00001	B3	1.51 €
2	Contact nozzle	-	1.2	M7	30	CuCrZr	10	094-013538-00001	B3	1.92 €
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00001	B3	1.75 €
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00001	B3	1.75 €
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00001	B3	1.78 €
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00001	B3	2.10 €
2	Contact tip, aluminium welding	-	0.8	M6	28	E-Cu	10	094-016105-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	0.9	M6	28	E-Cu	10	094-016106-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	1	M6	28	E-Cu	10	094-016107-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	1.2	M6	28	E-Cu	10	094-016108-00000	B3	0.96 €
2	Contact nozzle	-	0.8	M6	28	CuCrZr	10	094-013071-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M6	28	CuCrZr	10	094-013122-00000	B3	1.28 €
2	Contact nozzle	-	1	M6	28	CuCrZr	10	094-013072-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M6	28	CuCrZr	10	094-014317-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M6	28	E-Cu	10	094-016101-00000	B3	0.96 €
2	Contact nozzle	-	0.9	M6	28	E-Cu	10	094-016102-00000	B3	0.96 €
2	Contact nozzle	-	1	M6	28	E-Cu	10	094-016103-00000	B3	0.96 €
2	Contact nozzle	-	1.2	M6	28	E-Cu	10	094-016104-00000	B3	0.96 €
2.2	Contact nozzle	-	0.6	M6	25	CuCrZr	10	094-005403-00000	E6	2.12 €
2.2	Contact nozzle	-	0.8	M6	25	CuCrZr	10	094-020689-00000	B2	0.67 €
2.2	Contact nozzle	-	1	M6	25	CuCrZr	10	094-020690-00000	B2	0.67 €
2.2	Contact nozzle	-	0.6	M6	25	E-Cu	10	094-020691-00000	B2	0.47 €
2.2	Contact nozzle	-	0.8	M6	25	E-Cu	10	094-020692-00000	B2	0.47 €
2.2	Contact nozzle	-	0.9	M6	25	E-Cu	10	094-020693-00000	B2	0.47 €
2.2	Contact nozzle	-	1	M6	25	E-Cu	10	094-020694-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000	B2	0.47 €
2.3	Forced contact contact tip	-	1	M7	30	CuCrZr	1	094-025535-00000	B2	5.50 €
2.3	Forced contact contact tip	-	1.2	M7	30	CuCrZr	1	094-025536-00000	B2	5.50 €
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002	B2	4.80 €
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002	B2	4.80 €
3	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-013069-00002	B2	4.21 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
3	Contact tip holder	-	-	M6	33.5	CuCrZr	10	094-013070-00002	B2	4.21 €
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000	B2	6.15 €
4	Gas diffuser	-	-	-	-	Plastic	10	094-013094-00004	B2	3.52 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

Replacement parts set PM 221 G

Set Steel/CrNi M7 221 G / 301 W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, steel/CrNi, M7:
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 31.5 mm and 34.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M7
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013427-30000	B2	135.00 €

Set Alu M7 221 G / 301 W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, aluminium, M7
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 31.5 mm and 34.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M7
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013427-30001	B2	129.00 €

Set Steel/CrNi M6 221 G / 301 W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, steel/CrNi, M6
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 30.5 mm and 33.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M6
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013427-40000	B2	135.00 €

Set Alu M6 221G / 301W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, aluminium, M6
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 30.5 mm and 33.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M6
Usage	Aluminium

Designation	Item no.	PG	Price
			Per unit
Consumables set, aluminium	092-013427-40001	B2	129.00 €

PM 301 G

„Consumables PM 301 G“ on page 66

- Secure hold thanks to rubber inserts in the grip
- The flexible ball joint makes it comfortable to work, even for positional welding
- The torch trigger protection prevents the arc being ignited unintentionally



Equipment as delivered (steel wire Ø 1.0 mm):

- Gas nozzle Ø 15 mm; 71 mm
- Gas diffuser Ø 17 mm; 14 mm
- Contact tip M9 x 35 mm; Ø 1.0 mm and contact tip holder M9 x 34.5 mm
- Steel liner blue; Ø 1.5 mm x 3.8 mm



Duty cycle CO2	330 A / 60 %
Duty cycle M21	300 A / 60 %
Duty cycle M21 pulse	210 A / 60 %
Wire Ø	0.8 mm - 1.6 mm
Connection	Euro torch connector
Bend angle torch neck	45 °
Approvals	CE sign

PM 301 G



- Gas-cooled MIG/MAG welding torch
- Fits all welding machines with a Euro torch connector

Operating weight	1.16 kg
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Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, gas-cooled	3.0		094-700001-00000	B1	320.00 €
	4.0	-	094-700001-00004	B1	336.00 €
	5.0		094-700001-00005	B1	352.00 €



PM 301 G LED X



Titan XQ
MULTIMATRIX*

- Gas-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight	1.16 kg
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Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch with LED lighting, gas-cooled	3.0		094-700001-00900	B1	380.00 €
	4.0	-	094-700001-00904	B1	396.00 €
	5.0		094-700001-00905	B1	412.00 €




„Consumables PM 301 G“ on page 66

PM 301 G 2U/D



- Gas-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology

Operating weight 1.16 kg



Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, gas cooled,	3.0		094-700001-00800	B1	432.00 €
2 up/down	4.0		094-700001-00804	B1	458.00 €
	5.0		094-700001-00805	B1	485.00 €

PM 301 G 2U/D X



- Gas-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight 1.16 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, gas cooled,	3.0		094-700001-00300	B1	432.00 €
2 up/down, X	4.0	-	094-700001-00304	B1	458.00 €
technology	5.0		094-700001-00305	B1	485.00 €

PM 301 G

„Consumables PM 301 G“ on page 66

PM 301 G RD2 X





Titan XQ
MULTIMATRIX*



- Gas-cooled MIG/MAG function torch with high-quality OLED graphic display
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight

1.16 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, gas-cooled, with X technology	3.0		094-700001-00700	B1	480.00 €
	4.0		094-700001-00704	B1	522.00 €
	5.0	-	094-700001-00705	B1	565.00 €

PM 301 G RD3 X





Titan XQ
MULTIMATRIX*



- Gas-cooled MIG/MAG function torch with high-quality OLED graphic display
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
 - **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight

1.16 kg



Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, gas-cooled, with X technology	3.0		094-700001-00600	B1	480.00 €
	4.0		094-700001-00604	B1	522.00 €
	5.0	-	094-700001-00605	B1	565.00 €

PM 301 CG



- Gas-cooled MIG/MAG welding torch with replaceable neck (torch neck rotatable through 360°)
- Fits all welding machines with a Euro torch connector
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Operating weight 1.15 kg

Designation			Item no.	PG	Price
	m				
MIG/MAG welding torch, gas-cooled, replaceable neck	3.0		094-700001-03000	B1	363.00 €
	4.0	-	094-700001-03004	B1	378.00 €
	5.0		094-700001-03005	B1	394.00 €



PM 301 CG LED X



Titan XQ
MULTIMATRIX*

- Gas-cooled MIG/MAG welding torch with replaceable neck (torch neck rotatable through 360°)
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Operating weight 1.15 kg




Designation			Item no.	PG	Price
	m				
MIG/MAG welding torch with LED	3.0		094-700001-03900	B1	423.00 €
lighting, gas-cooled, replaceable neck	4.0	-	094-700001-03904	B1	438.00 €
	5.0		094-700001-03905	B1	454.00 €

PM 301 CG 2U/D



- Gas-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Operating weight 1.15 kg

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, gas cooled, 2 up/down, replaceable neck	3.0		094-700001-03800	B1	475.00 €
	4.0		094-700001-03804	B1	501.00 €
	5.0		094-700001-03805	B1	527.00 €

PM 301 G

„Consumables PM 301 G“ on page 66

PM 301 CG 2U/D X





Titan XQ
MULTIMATRIX*



- Gas-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
 - **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Operating weight 1.15 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, gas cooled, 2 up/down, replaceable neck, X technology	3.0		094-700001-03300	B1	475.00 €
	4.0		094-700001-03304	B1	501.00 €
	5.0	-	094-700001-03305	B1	527.00 €

PM 301 CG RD2 X





Titan XQ
MULTIMATRIX*



- Gas-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display (torch neck rotatable through 360°)
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Operating weight 1.15 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, gas-cooled, replaceable neck, X technology	3.0		094-700001-03700	B1	534.00 €
	4.0		094-700001-03704	B1	576.00 €
	5.0	-	094-700001-03705	B1	618.00 €

PM 301 CG RD3 X





Titan XQ
MULTIMATRIX*

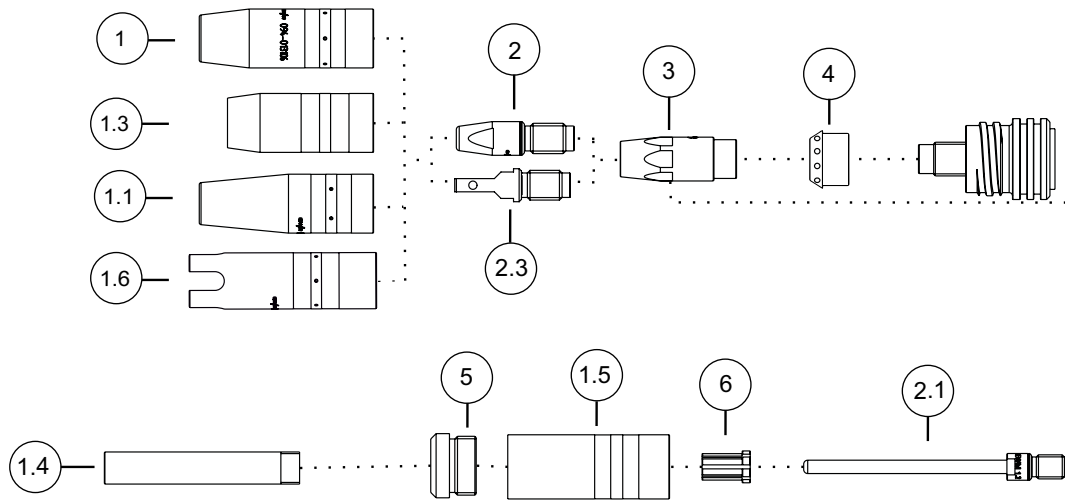


- Gas-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display (torch neck rotatable through 360°)
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
 - **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Operating weight 1.15 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, gas-cooled, replaceable neck, X technology	3.0		094-700001-03600	B1	534.00 €
	4.0		094-700001-03604	B1	576.00 €
	5.0	-	094-700001-03605	B1	618.00 €

Consumables PM 301 G



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1	Gas nozzle, short	15	-	-	65	-	10	094-019821-00001	B2	7.42 €
1	Gas nozzle, short	18	-	-	65	-	10	094-019822-00001	B2	7.42 €
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001	B2	8.60 €
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001	B2	8.60 €
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001	B2	8.60 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001	B2	11.28 €
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000	B2	17.60 €
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	B2	6.50 €
1.4	Gas nozzle, narrow gap welding	-	-	-	76	-	10	094-022226-00000	B2	9.20 €
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000	B2	7.62 €
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000	B2	17.51 €
2	Contact nozzle	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2.35 €
2	Contact nozzle	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2.35 €
2	Contact nozzle	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2.35 €
2	Contact nozzle	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2.35 €
2	Contact nozzle	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2.35 €
2	Contact nozzle	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2.35 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1.81 €
2	Contact nozzle	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1.81 €
2	Contact nozzle	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1.81 €
2	Contact nozzle	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1.81 €
2	Contact nozzle	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1.81 €
2	Contact nozzle	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1.81 €
2	Contact nozzle	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1.28 €
2	Contact nozzle	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1.28 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
2	Contact nozzle	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1.28 €
2	Contact nozzle	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1.28 €
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	B2	8.20 €
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	B2	10.80 €
2.3	Forced contact contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.6	M9	35	CuCrZr	10	094-025533-00000	B2	5.80 €
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002	B2	5.77 €
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002	B2	5.77 €
3	Contact tip holder	-	-	M8	34.1	CuCrZr	10	094-013109-00002	B2	5.10 €
3	Contact tip holder	-	-	M8	37.1	CuCrZr	10	094-013110-00002	B2	5.10 €
4	Gas diffuser	-	-	-	-	Fibreg- lass- reinforced plastic	10	094-013096-00004	B2	3.85 €
5	Capillary tube	-	-	-	-	-	1	094-019625-00000	B2	21.95 €
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	B2	2.18 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

Replacement parts set PM 301 G

Set Steel/CrNi M9 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, steel/CrNi, M9
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.5 mm and 37.5 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M9
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013428-30000	B2	151.00 €

Set Alu M9 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, aluminium, M9
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.5 mm and 37.5 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M9
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013428-30001	B2	142.00 €

Set Steel/CrNi M8 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, steel/CrNi, M8
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.1 mm and 37.1 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M8
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013428-40000	B2	151.00 €

Set Alu M8 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, aluminium, M8
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.1 mm and 37.1 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M8
Usage	Aluminium

Designation	Item no.	PG	Price
			Per unit
Consumables set, aluminium	092-013428-40001	B2	141.00 €

PM 401 G

„Consumables PM 401 G“ on page 72

- Secure hold thanks to rubber inserts in the grip
- The flexible ball joint makes it comfortable to work, even for positional welding
- The torch trigger protection prevents the arc being ignited unintentionally



Equipment as delivered (steel wire Ø 1.2 mm):

- Gas nozzle Ø 17 mm; 66 mm
- Gas diffuser Ø 20 mm; 21.5 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm and contact tip holder M9 x 35 mm
- Steel liner red; Ø 2 mm x 4.6 mm

Duty cycle CO2	450 A / 35 %
Duty cycle M21	400 A / 35 %
Duty cycle M21 pulse	260 A / 35 %
Wire Ø	0.8 mm - 2 mm
Connection	Euro torch connector
Bend angle torch neck	45 °
Operating weight	1.3 kg
Approvals	CE sign

PM 401 G



- Gas-cooled MIG/MAG welding torch
- Fits all welding machines with a Euro torch connector

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, gas-cooled	3.0		094-700002-00000	B1	378.00 €
	4.0	-	094-700002-00004	B1	405.00 €
	5.0		094-700002-00005	B1	432.00 €

PM 401 G LED X



Titan XQ
MULTIMATRIX*

- Gas-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible




Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch with LED lighting, gas-cooled	3.0		094-700002-00900	B1	438.00 €
	4.0	-	094-700002-00904	B1	465.00 €
	5.0		094-700002-00905	B1	492.00 €

„Consumables PM 401 G“ on page 72

PM 401 G 2U/D





- Gas-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, gas cooled, 2 up/down	3.0		094-700002-00800	B1	458.00 €
	5.0		094-700002-00805	B1	512.00 €
	4.0		094-700002-00804	B1	485.00 €

PM 401 G 2U/D X





- Gas-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, gas-cooled, with X technology	3.0		094-700002-00300	B1	458.00 €
	4.0	-	094-700002-00304	B1	485.00 €
	5.0		094-700002-00305	B1	512.00 €

PM 401 G RD2 X



- Gas-cooled MIG/MAG function torch with high-quality OLED graphic display
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch with OLED graphic display, gas-cooled, with X technology	3.0		094-700002-00700	B1	512.00 €
	4.0		094-700002-00704	B1	554.00 €
	5.0	-	094-700002-00705	B1	597.00 €

PM 401 G



PM 401 G RD3 X



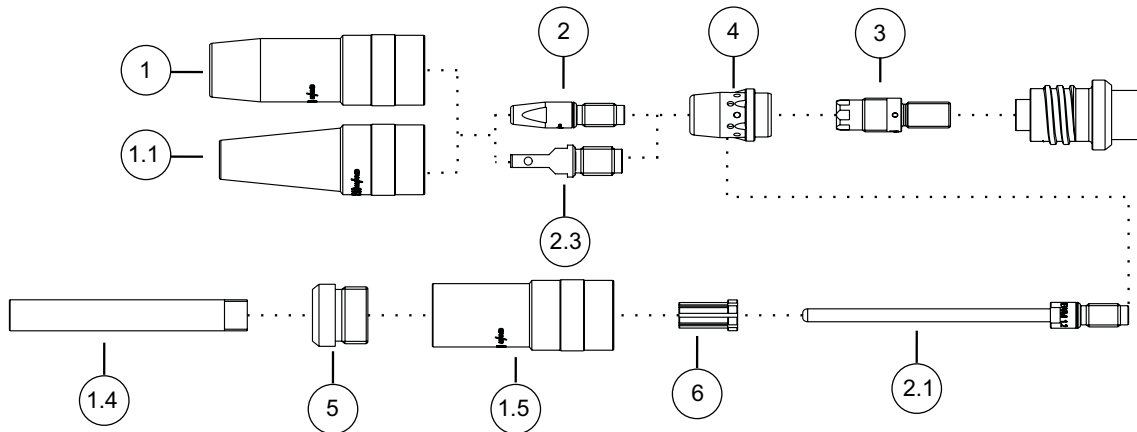
Titan XQ
MULTIMATRIX®



- Gas-cooled MIG/MAG function torch with high-quality OLED graphic display
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
 - **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED	3.0		094-700002-00600	B1	512.00 €
graphic display,	4.0		094-700002-00604	B1	554.00 €
gas-cooled, with X technology	5.0		094-700002-00605	B1	597.00 €

Consumables PM 401 G



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001	B2	9.99 €
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001	B2	9.99 €
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001	B2	9.99 €
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001	B2	9.99 €
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001	B2	9.99 €
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001	B2	9.99 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000	B2	12.67 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	66	-	1	094-022227-00000	B2	11.07 €
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	B2	6.50 €
1.4	Gas nozzle, narrow gap welding	-	-	-	76	-	10	094-022226-00000	B2	9.20 €
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000	B2	10.15 €
2	Contact nozzle	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2.35 €
2	Contact nozzle	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2.35 €
2	Contact nozzle	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2.35 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
2	Contact nozzle	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2.35 €
2	Contact nozzle	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2.35 €
2	Contact nozzle	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2.35 €
2	Contact nozzle	-	2	M9	35	CuCrZr	10	094-013534-00001	B3	2.74 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	2	M8	30	E-Cu	10	094-016920-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1.81 €
2	Contact nozzle	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1.81 €
2	Contact nozzle	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1.81 €
2	Contact nozzle	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1.81 €
2	Contact nozzle	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1.81 €
2	Contact nozzle	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1.81 €
2	Contact nozzle	-	2	M8	30	CuCrZr	10	094-014193-00000	B3	1.81 €
2	Contact nozzle	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1.28 €
2	Contact nozzle	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1.28 €
2	Contact nozzle	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1.28 €
2	Contact nozzle	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1.28 €
2	Contact nozzle	-	2	M8	30	E-Cu	10	094-016114-00000	B3	1.28 €
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	B2	8.20 €
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	B2	10.80 €
2.3	Forced contact contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.6	M9	35	CuCrZr	10	094-025533-00000	B2	5.80 €
3	Contact tip holder	-	-	M8	34.5	CuCrZr	10	094-015489-00003	B2	5.20 €
3	Contact tip holder	-	-	M8	37.5	CuCrZr	10	094-016018-00003	B2	5.20 €
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003	B2	5.95 €
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003	B2	5.95 €
4	Gas diffuser	20.2	-	-	25	Plastic	10	094-013111-00002	B2	3.45 €
5	Capillary tube	-	-	-	-	-	1	094-019625-00000	B2	21.95 €
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	B2	2.18 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

Replacement parts set PM 401 G

Set Steel/CrNi M9 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, steel/CrNi, M9
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 35 mm and 38 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M9
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013429-30000	B2	164.00 €

Set Alu M9 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, aluminium, M9
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 35 mm and 38 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M9
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013429-30001	B2	156.00 €

Set Steel/CrNi M8 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, steel/CrNi, M8
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 34.5 mm and 37.5 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M8
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013429-40000	B2	164.00 €

Set Alu M8 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, aluminium, M8
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 35 mm and 38 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M8
Usage	Aluminium

Designation	Item no.	PG	Price
			Per unit
Consumables set, aluminium	092-013429-40001	B2	156.00 €

PM 301 W

„Consumables PM 301 W“ on page 82

- Secure hold thanks to rubber inserts in the grip
- The flexible ball joint makes it comfortable to work, even for positional welding
- The torch trigger protection prevents the arc being ignited unintentionally



Equipment as supplied (steel wire 1.2 mm):

- Gas nozzle Ø 13 mm; 66 mm
- Gas diffuser Ø 14.5 mm; 12.5 mm
- Contact tip M7 x 30 mm; Ø 1.2 mm and contact tip holder M7 x 31.5 mm
- Steel liner red; Ø 2 mm x 4.6 mm



Duty cycle CO2	330 A / 100 %
Duty cycle M21	290 A / 100 %
Duty cycle M21 pulse	250 A / 100 %
Wire Ø	0.8 mm - 1.2 mm
Connection	Euro torch connector
Bend angle torch neck	45 °
Approvals	CE sign

PM 301 W



- Water-cooled MIG/MAG welding torch
- Fits all welding machines with a Euro torch connector

Operating weight	1.03 kg
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Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, water-cooled	3.0		094-700003-00000	B1	373.00 €
	4.0	-	094-700003-00004	B1	400.00 €
	5.0		094-700003-00005	B1	426.00 €



PM 301 W LED X



Titan XQ
MULTIMATRIX*

- Water-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight	1.03 kg
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Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch with LED lighting, water-cooled	3.0		094-700003-00900	B1	433.00 €
	4.0	-	094-700003-00904	B1	460.00 €
	5.0		094-700003-00905	B1	486.00 €




„Consumables PM 301 W“ on page 82

PM 301 W 2U/D



- Water-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology

Operating weight 1.03 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down	3.0		094-700003-00800	B1	480.00 €
	4.0		094-700003-00804	B1	507.00 €
	5.0		094-700003-00805	B1	534.00 €

PM 301 W 2U/D X





Titan XQ
MULTIMATRIX®



- Water-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight 1.03 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down, X technology	3.0		094-700003-00300	B1	480.00 €
	4.0		094-700003-00304	B1	507.00 €
	5.0	-	094-700003-00305	B1	534.00 €

PM 301 W

„Consumables PM 301 W“ on page 82

PM 301 W RD2 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight

1.03 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, water-cooled, X technology	3.0		094-700003-00700	B1	544.00 €
	4.0		094-700003-00704	B1	571.00 €
	5.0	-	094-700003-00705	B1	597.00 €

PM 301 W RD3 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
 - **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight

1.03 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, water-cooled, X technology	3.0		094-700003-00600	B1	544.00 €
	4.0		094-700003-00604	B1	571.00 €
	5.0	-	094-700003-00605	B1	597.00 €



„Consumables PM 301 W“ on page 82

PM 301 CW



- Water-cooled MIG/MAG welding torch with replaceable neck (torch neck rotatable through 360°)
- Fits all welding machines with a Euro torch connector
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Operating weight 1.13 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, water-cooled, replaceable neck	3.0		094-700003-03000	B1	453.00 €
	4.0		094-700003-03004	B1	480.00 €
	5.0		094-700003-03005	B1	507.00 €



PM 301 CW LED X



Titan XQ
MULTIMATRIX*

- Water-cooled MIG/MAG welding torch with replaceable neck (torch neck rotatable through 360°)
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Operating weight 1.13 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch with LED lighting, water-cooled, replaceable neck	3.0		094-700003-03900	B1	513.00 €
	4.0		094-700003-03904	B1	540.00 €
	5.0		094-700003-03905	B1	567.00 €

PM 301 W




„Consumables PM 301 W“ on page 82

PM 301 CW 2U/D



- Water-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Operating weight 1.13 kg



Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down, replaceable neck	3.0		094-700003-03800	B1	559.00 €
	4.0		094-700003-03804	B1	586.00 €
	5.0		094-700003-03805	B1	613.00 €

PM 301 CW 2U/D X



- Water-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Operating weight 1.13 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down, X technology, replaceable neck	3.0		094-700003-03300	B1	559.00 €
	4.0		094-700003-03304	B1	586.00 €
	5.0	-	094-700003-03305	B1	613.00 €

PM 301 CW RD2 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display (torch neck rotatable through 360°)
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Operating weight 1.13 kg

Designation			Item no.	PG	Price
					Per unit
MIG/MAG function torch with OLED graphic display, water-cooled, X technology, replaceable neck	3.0		094-700003-03700	B1	623.00 €
	4.0	-	094-700003-03704	B1	650.00 €
	5.0		094-700003-03705	B1	677.00 €

PM 301 CW RD3 X





Titan XQ
MULTIMATRIX*

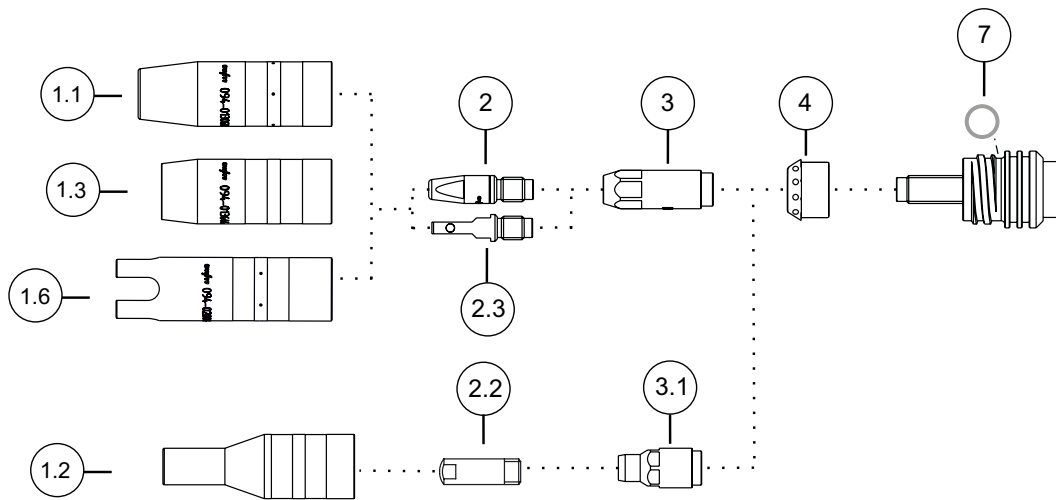


- Water-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display (torch neck rotatable through 360°)
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
- **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Operating weight 1.13 kg

Designation			Item no.	PG	Price
					Per unit
MIG/MAG function torch with OLED graphic display, water-cooled, X technology, replaceable neck	3.0		094-700003-03600	B1	623.00 €
	4.0	-	094-700003-03604	B1	650.00 €
	5.0		094-700003-03605	B1	677.00 €

Consumables PM 301 W



Item	Designation	Nozzle Ø	Wire Ø	Thread	Length mm	Material	PU Units	Item no.	PG	Price
		mm	mm							Per unit
1.1	Gas nozzle	11	-	-	66	-	10	094-013062-00001	B2	7.03 €
1.1	Gas nozzle	13	-	-	66	-	10	094-013061-00001	B2	7.03 €
1.1	Gas nozzle	16	-	-	66	-	10	094-013063-00001	B2	7.03 €
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	10	094-020136-00000	B2	20.10 €
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000	B2	14.40 €
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000	B2	15.45 €
2	Contact nozzle	-	0.8	M7	30	CuCrZr	10	094-013535-00001	B3	1.87 €
2	Contact nozzle	-	0.9	M7	30	CuCrZr	10	094-013536-00001	B3	1.83 €
2	Contact nozzle	-	1	M7	30	CuCrZr	10	094-013537-00001	B3	1.51 €
2	Contact nozzle	-	1.2	M7	30	CuCrZr	10	094-013538-00001	B3	1.92 €
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00001	B3	1.75 €
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00001	B3	1.75 €
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00001	B3	1.78 €
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00001	B3	2.10 €
2	Contact tip, aluminium welding	-	0.8	M6	28	E-Cu	10	094-016105-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	0.9	M6	28	E-Cu	10	094-016106-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	1	M6	28	E-Cu	10	094-016107-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	1.2	M6	28	E-Cu	10	094-016108-00000	B3	0.96 €
2	Contact nozzle	-	0.8	M6	28	CuCrZr	10	094-013071-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M6	28	CuCrZr	10	094-013122-00000	B3	1.28 €
2	Contact nozzle	-	1	M6	28	CuCrZr	10	094-013072-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M6	28	CuCrZr	10	094-014317-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M6	28	E-Cu	10	094-016101-00000	B3	0.96 €
2	Contact nozzle	-	0.9	M6	28	E-Cu	10	094-016102-00000	B3	0.96 €
2	Contact nozzle	-	1	M6	28	E-Cu	10	094-016103-00000	B3	0.96 €
2	Contact nozzle	-	1.2	M6	28	E-Cu	10	094-016104-00000	B3	0.96 €
2.2	Contact nozzle	-	0.6	M6	25	CuCrZr	10	094-005403-00000	E6	2.12 €
2.2	Contact nozzle	-	0.8	M6	25	CuCrZr	10	094-020689-00000	B2	0.67 €
2.2	Contact nozzle	-	1	M6	25	CuCrZr	10	094-020690-00000	B2	0.67 €
2.2	Contact nozzle	-	0.6	M6	25	E-Cu	10	094-020691-00000	B2	0.47 €
2.2	Contact nozzle	-	0.8	M6	25	E-Cu	10	094-020692-00000	B2	0.47 €
2.2	Contact nozzle	-	0.9	M6	25	E-Cu	10	094-020693-00000	B2	0.47 €
2.2	Contact nozzle	-	1	M6	25	E-Cu	10	094-020694-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000	B2	0.47 €
2.3	Forced contact contact tip	-	1	M7	30	CuCrZr	1	094-025535-00000	B2	5.50 €
2.3	Forced contact contact tip	-	1.2	M7	30	CuCrZr	1	094-025536-00000	B2	5.50 €
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002	B2	4.80 €
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002	B2	4.80 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
3	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-013069-00002	B2	4.21 €
3	Contact tip holder	-	-	M6	33.5	CuCrZr	10	094-013070-00002	B2	4.21 €
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000	B2	6.15 €
4	Gas diffuser	-	-	-	-	Plastic	10	094-013094-00004	B2	3.52 €
7	O-Ring for gas nozzle holder	-	-	-	-	-	10	094-025320-00000	B2	0.30 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

Replacement parts set PM 301 W

Set Steel/CrNi M7 221 G / 301 W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, steel/CrNi, M7:
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 31.5 mm and 34.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M7
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013427-30000	B2	135.00 €

Set Alu M7 221 G / 301 W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, aluminium, M7
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 31.5 mm and 34.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M7
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013427-30001	B2	129.00 €

Set Steel/CrNi M6 221 G / 301 W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, steel/CrNi, M6
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 30.5 mm and 33.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M6
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013427-40000	B2	135.00 €

Set Alu M6 221G / 301W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, aluminium, M6
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 30.5 mm and 33.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M6
Usage	Aluminium

Designation	Item no.	PG	Price
			Per unit
Consumables set, aluminium	092-013427-40001	B2	129.00 €

PM 451 W

„Consumables PM 451 W“ on page 98

- Secure hold thanks to rubber inserts in the grip
- The flexible ball joint makes it comfortable to work, even for positional welding
- The torch trigger protection prevents the arc being ignited unintentionally



Equipment as supplied (steel wire Ø 1.2 mm):

- Gas nozzle Ø 15 mm; 71 mm
- Gas diffuser Ø 17 mm; 14 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm and contact tip holder M9 x 34.5 mm
- Steel liner red; Ø 2 mm x 4.6 mm



Duty cycle CO2	500 A / 100 %
Duty cycle M21	450 A / 100 %
Duty cycle M21 pulse	350 A / 100 %
Wire Ø	0.8 mm - 1.6 mm
Connection	Euro torch connector
Bend angle torch neck	45 °
Approvals	CE sign

PM 451 W



- Water-cooled MIG/MAG welding torch
- Fits all welding machines with a Euro torch connector
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Operating weight	1.09 kg
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Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, water-cooled	3.0		094-700004-00000	B1	389.00 €
	4.0		094-700004-00004	B1	416.00 €
	5.0		094-700004-00005	B1	443.00 €
	6.5		094-700004-00065	B1	518.00 €



PM 451 W LED X



Titan XQ
MULTIMATRIX*

- Water-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Operating weight	1.09 kg
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Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch with LED lighting, water-cooled	3.0		094-700004-00900	B1	449.00 €
	4.0		094-700004-00904	B1	476.00 €
	5.0		094-700004-00905	B1	503.00 €
	6.5		094-700004-00965	B1	578.00 €

PM 451 W 2U/D



- Water-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology

Operating weight 1.09 kg



Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down	3.0		094-700004-00800	B1	495.00 €
	4.0		094-700004-00804	B1	522.00 €
	5.0		094-700004-00805	B1	549.00 €

PM 451 W 2U/D X



- Water-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight 1.09 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down, X technology	3.0		094-700004-00300	B1	495.00 €
	4.0		094-700004-00304	B1	522.00 €
	5.0	-	094-700004-00305	B1	549.00 €

PM 451 W

„Consumables PM 451 W“ on page 98

PM 451 W RD2 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight 1.09 kg

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch with OLED graphic display, water-cooled, X technology	3.0		094-700004-00700	B1	559.00 €
	4.0		094-700004-00704	B1	586.00 €
	5.0	-	094-700004-00705	B1	613.00 €

PM 451 W RD3 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
- **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Operating weight 1.09 kg



Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch with OLED graphic display, water-cooled, X technology	3.0		094-700004-00600	B1	559.00 €
	4.0		094-700004-00604	B1	586.00 €
	5.0	-	094-700004-00605	B1	613.00 €
	6.5		094-700004-00665	B1	688.00 €

PM 451 CW



- Water-cooled MIG/MAG welding torch with replaceable neck (torch neck rotatable through 360°)
- Fits all welding machines with a Euro torch connector
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Operating weight 1.28 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, water-cooled, replaceable neck	3.0	-	094-700004-03000	B1	495.00 €
	4.0		094-700004-03004	B1	522.00 €
	5.0		094-700004-03005	B1	549.00 €
	6.5		094-700004-03065	B1	624.00 €



PM 451 CW LED X



Titan XQ
MULTIMATRIX*

- Water-cooled MIG/MAG welding torch with replaceable neck (torch neck rotatable through 360°)
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Operating weight 1.28 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch with LED lighting, water-cooled, replaceable neck	3.0	-	094-700004-03900	B1	555.00 €
	4.0		094-700004-03904	B1	582.00 €
	5.0		094-700004-03905	B1	609.00 €
	6.5		094-700004-03965	B1	684.00 €

PM 451 W




„Consumables PM 451 W“ on page 98

PM 451 CW 2U/D



- Water-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Operating weight 1.28 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down, replaceable neck	3.0		094-700004-03800	B1	603.00 €
	4.0		094-700004-03804	B1	629.00 €
	5.0		094-700004-03805	B1	656.00 €

PM 451 CW 2U/D X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Operating weight 1.28 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down, X technology, replaceable neck	3.0		094-700004-03300	B1	603.00 €
	4.0		094-700004-03304	B1	629.00 €
	5.0	-	094-700004-03305	B1	656.00 €

PM 451 CW RD2 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display (torch neck rotatable through 360°)
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Operating weight 1.28 kg

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch with OLED graphic display, water-cooled, X technology, replaceable neck	3.0		094-700004-03700	B1	666.00 €
	4.0		094-700004-03704	B1	693.00 €
	5.0	-	094-700004-03705	B1	720.00 €

PM 451 W

„Consumables PM 451 W“ on page 98

PM 451 CW RD3 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display (torch neck rotatable through 360°)
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
- **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Operating weight 1.28 kg



Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, water-cooled, X technology, replaceable neck	3.0		094-700004-03600	B1	666.00 €
	4.0		094-700004-03604	B1	693.00 €
	5.0	-	094-700004-03605	B1	720.00 €
	6.5		094-700004-03665	B1	795.00 €

PM 451 WL



- Water-cooled MIG/MAG welding torch
- Torch neck 46 mm longer compared to standard torch
- Fits all welding machines with a Euro torch connector
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Operating weight 1.15 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, water-cooled, long torch neck	3.0		094-700004-20000	B1	416.00 €
	4.0		094-700004-20004	B1	443.00 €
	5.0	-	094-700004-20005	B1	469.00 €
	6.5		094-700004-20065	B1	544.00 €

„Consumables PM 451 W“ on page 98



PM 451 WL LED X



Titan XQ
MULTIMATRIX*

- Water-cooled MIG/MAG welding torch
- Torch neck 46 mm longer compared to standard torch
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Operating weight 1.15 kg




Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch with LED lighting, water-cooled, long torch neck	3.0		094-700004-20900	B1	476.00 €
	4.0		094-700004-20904	B1	503.00 €
	5.0		094-700004-20905	B1	529.00 €
	6.5		094-700004-20965	B1	604.00 €

PM 451 WL 2U/D



- Water-cooled MIG/MAG function torch
- Torch neck 46 mm longer compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology

Operating weight 1.15 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down, long torch neck	3.0		094-700004-20800	B1	522.00 €
	4.0		094-700004-20804	B1	549.00 €
	5.0		094-700004-20805	B1	576.00 €

PM 451 W

„Consumables PM 451 W“ on page 98

PM 451 WL 2U/D X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch
- Torch neck 46 mm longer compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight

1.15 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down, long torch neck, X technology	3.0		094-700004-20300	B1	522.00 €
	4.0		094-700004-20304	B1	549.00 €
	5.0	-	094-700004-20305	B1	576.00 €

PM 451 WL RD2 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 46 mm longer compared to standard torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight

1.15 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, water-cooled, long torch neck, X technology	3.0		094-700004-20700	B1	586.00 €
	4.0		094-700004-20704	B1	613.00 €
	5.0	-	094-700004-20705	B1	640.00 €

„Consumables PM 451 W“ on page 98

PM 451 WL RD3 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 46 mm longer compared to standard torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
- **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Operating weight 1.15 kg



Designation			Item no.	PG	Price
	m				
MIG/MAG function torch with OLED graphic display, water-cooled, long torch neck, X technology	3.0		094-700004-20600	B1	586.00 €
	4.0		094-700004-20604	B1	613.00 €
	5.0	-	094-700004-20605	B1	640.00 €
	6.5		094-700004-20665	B1	715.00 €

PM 451 WS



- Water-cooled MIG/MAG welding torch
- Torch neck 35 mm shorter compared to standard torch
- Fits all welding machines with a Euro torch connector
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Operating weight 1.09 kg

Designation			Item no.	PG	Price
	m				
MIG/MAG welding torch, water-cooled, short torch neck	3.0		094-700004-30000	B1	389.00 €
	4.0		094-700004-30004	B1	416.00 €
	5.0	-	094-700004-30005	B1	443.00 €
	6.5		094-700004-30065	B1	518.00 €

PM 451 W



„Consumables PM 451 W“ on page 98

PM 451 WS LED X



Titan XQ
MULTIMATRIX*




- Water-cooled MIG/MAG welding torch
- Torch neck 35 mm shorter compared to standard torch
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Operating weight		1.09 kg			
Designation	 m		Item no.	PG	Price
Per unit					
MIG/MAG welding torch with LED lighting, water-cooled, short torch neck	3.0	-	094-700004-30900	B1	449.00 €
	4.0	-	094-700004-30904	B1	476.00 €
	5.0	-	094-700004-30905	B1	503.00 €
	6.5	-	094-700004-30965	B1	578.00 €

PM 451 WS 2U/D



- Water-cooled MIG/MAG function torch
- Torch neck 35 mm shorter compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology

Operating weight		1.09 kg			
Designation	 m		Item no.	PG	Price
Per unit					
MIG/MAG function torch, water cooled, 2 up/down, short torch neck	3.0	-	094-700004-30800	B1	495.00 €
	4.0	-	094-700004-30804	B1	522.00 €
	5.0		094-700004-30805	B1	549.00 €

PM 451 WS 2U/D X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch
- Torch neck 35 mm shorter compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight 1.09 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down, short torch neck, X technology	3.0		094-700004-30300	B1	495.00 €
	4.0		094-700004-30304	B1	522.00 €
	5.0	-	094-700004-30305	B1	549.00 €

PM 451 WS RD2 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 35 mm shorter compared to standard torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Operating weight 1.09 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, short torch neck, water-cooled, with X technology	3.0		094-700004-30700	B1	559.00 €
	4.0		094-700004-30704	B1	586.00 €
	5.0	-	094-700004-30705	B1	613.00 €

PM 451 W

PM 451 WS RD3 X





Titan XQ
MULTIMATRIX*

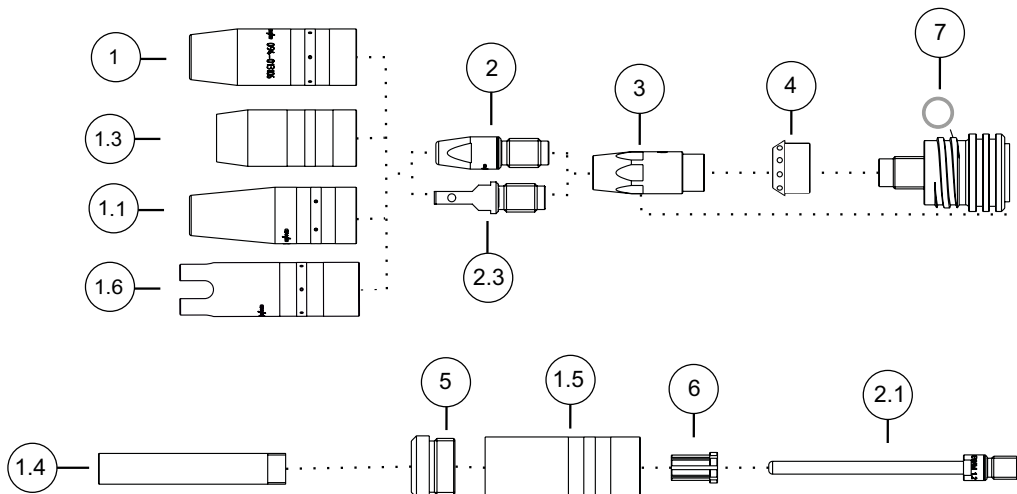


- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 35 mm shorter compared to standard torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
- **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Operating weight 1.09 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, short torch neck, water-cooled, with X technology	3.0		094-700004-30600	B1	559.00 €
	4.0		094-700004-30604	B1	586.00 €
	5.0	-	094-700004-30605	B1	613.00 €
	6.5		094-700004-30665	B1	688.00 €

Consumables PM 451 W



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1	Gas nozzle, short	15	-	-	65	-	10	094-019821-00001	B2	7.42 €
1	Gas nozzle, short	18	-	-	65	-	10	094-019822-00001	B2	7.42 €
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001	B2	8.60 €
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001	B2	8.60 €
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001	B2	8.60 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001	B2	11.28 €

Item	Designation	Nozzle Ø	Wire Ø	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
		mm	mm							
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000	B2	17.60 €
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	B2	6.50 €
1.4	Gas nozzle, narrow gap welding	-	-	-	76	-	10	094-022226-00000	B2	9.20 €
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000	B2	7.62 €
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000	B2	17.51 €
2	Contact nozzle	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2.35 €
2	Contact nozzle	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2.35 €
2	Contact nozzle	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2.35 €
2	Contact nozzle	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2.35 €
2	Contact nozzle	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2.35 €
2	Contact nozzle	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2.35 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1.81 €
2	Contact nozzle	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1.81 €
2	Contact nozzle	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1.81 €
2	Contact nozzle	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1.81 €
2	Contact nozzle	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1.81 €
2	Contact nozzle	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1.81 €
2	Contact nozzle	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1.28 €
2	Contact nozzle	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1.28 €
2	Contact nozzle	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1.28 €
2	Contact nozzle	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1.28 €
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	B2	8.20 €
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	B2	10.80 €
2.3	Forced contact contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.6	M9	35	CuCrZr	10	094-025533-00000	B2	5.80 €
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002	B2	5.77 €
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002	B2	5.77 €
3	Contact tip holder	-	-	M8	34.1	CuCrZr	10	094-013109-00002	B2	5.10 €
3	Contact tip holder	-	-	M8	37.1	CuCrZr	10	094-013110-00002	B2	5.10 €
4	Gas diffuser	-	-	-	-	Fibreg- lass- reinforced plastic	10	094-013096-00004	B2	3.85 €
5	Capillary tube	-	-	-	-	-	1	094-019625-00000	B2	21.95 €
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	B2	2.18 €
7	O-Ring for gas nozzle holder	-	-	-	-	-	10	094-025089-00000	B2	0.36 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

Replacement parts set PM 451 W

Set Steel/CrNi M9 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, steel/CrNi, M9
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.5 mm and 37.5 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M9
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013428-30000	B2	151.00 €

Set Alu M9 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, aluminium, M9
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.5 mm and 37.5 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M9
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013428-30001	B2	142.00 €

Set Steel/CrNi M8 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, steel/CrNi, M8
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.1 mm and 37.1 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M8
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013428-40000	B2	151.00 €

Set Alu M8 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, aluminium, M8
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.1 mm and 37.1 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M8
Usage	Aluminium

Designation	Item no.	PG	Price
			Per unit
Consumables set, aluminium	092-013428-40001	B2	141.00 €

PM 551 W

„Consumables PM 551 W“ on page 112

- Secure hold thanks to rubber inserts in the grip
- The flexible ball joint makes it comfortable to work, even for positional welding
- The torch trigger protection prevents the arc being ignited unintentionally



Equipment as supplied (steel wire Ø 1.2 mm):

- Gas nozzle Ø 17 mm; 66 mm
- Gas diffuser Ø 20 mm; 21.5 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm and contact tip holder M9 x 35 mm
- Steel liner red; Ø 2 mm x 4.6 mm



PM 551 W



Duty cycle CO2	650 A / 100 %
Duty cycle M21	550 A / 100 %
Duty cycle M21 pulse	500 A / 100 %
Wire Ø	0.8 mm - 2 mm
Connection	Euro torch connector
Approvals	CE sign

- Water-cooled MIG/MAG welding torch
- Fits all welding machines with a Euro torch connector
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Bend angle torch neck	45 °
Operating weight	1.1 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, water-cooled	3.0		094-700005-00000	B1	410.00 €
	4.0		094-700005-00004	B1	437.00 €
	5.0		094-700005-00005	B1	464.00 €
	6.5		094-700005-00065	B1	539.00 €

„Consumables PM 551 W“ on page 112



PM 551 W LED X



Titan XQ
MULTIMATRIX*

- Water-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Bend angle torch neck	45°
Operating weight	1.1 kg




Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch with LED lighting, water-cooled	3.0		094-700005-00900	B1	470.00 €
	4.0		094-700005-00904	B1	497.00 €
	5.0		094-700005-00905	B1	524.00 €
	6.5		094-700005-00965	B1	599.00 €

PM 551 W 2U/D



- Water-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology

Bend angle torch neck	45°
Operating weight	1.1 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down	3.0		094-700005-00800	B1	517.00 €
	4.0		094-700005-00804	B1	544.00 €
	5.0		094-700005-00805	B1	571.00 €

PM 551 W

„Consumables PM 551 W“ on page 112

PM 551 W 2U/D X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch
 - **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Bend angle torch neck	45°
Operating weight	1.1 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG	3.0		094-700005-00300	B1	517.00 €
function torch,	4.0		094-700005-00304	B1	544.00 €
water cooled,	5.0	-	094-700005-00305	B1	571.00 €
2 up/down, X					
technology					

PM 551 W RD2 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Bend angle torch neck	45°
Operating weight	1.1 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function	3.0		094-700005-00700	B1	581.00 €
torch with OLED	4.0		094-700005-00704	B1	608.00 €
graphic display,	5.0	-	094-700005-00705	B1	634.00 €
water-cooled, X					
technology					

PM 551 W RD3 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
- **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Bend angle torch neck	45°
Operating weight	1.1 kg



Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, water-cooled, X technology	3.0		094-700005-00600	B1	581.00 €
	4.0		094-700005-00604	B1	608.00 €
	5.0	-	094-700005-00605	B1	634.00 €
	6.5		094-700005-00665	B1	709.00 €

PM 551 WL



- Water-cooled MIG/MAG welding torch
- Torch neck 48 mm longer compared to standard torch
- Fits all welding machines with a Euro torch connector
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Bend angle torch neck	45°
Operating weight	1.16 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, water-cooled, long torch neck	3.0		094-700005-20000	B1	437.00 €
	4.0		094-700005-20004	B1	464.00 €
	5.0	-	094-700005-20005	B1	490.00 €
	6.5		094-700005-20065	B1	565.00 €

PM 551 W

„Consumables PM 551 W“ on page 112



PM 551 WL LED X



Titan XQ
MULTIMATRIX*

- Water-cooled MIG/MAG welding torch
- Torch neck 48 mm longer compared to standard torch
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Bend angle torch neck	45 °
Operating weight	1.16 kg




Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch with LED lighting, water-cooled, long torch neck	3.0		094-700005-20900	B1	497.00 €
	4.0		094-700005-20904	B1	524.00 €
	5.0		094-700005-20905	B1	550.00 €
	6.5		094-700005-20965	B1	625.00 €

PM 551 WL 2U/D



- Water-cooled MIG/MAG function torch
- Torch neck 48 mm longer compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology

Bend angle torch neck	45 °
Operating weight	1.16 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down, long torch neck	3.0		094-700005-20800	B1	544.00 €
	4.0		094-700005-20804	B1	571.00 €
	5.0		094-700005-20805	B1	597.00 €

PM 551 WL 2U/D X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch
- Torch neck 48 mm longer compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Bend angle torch neck	45°
Operating weight	1.16 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down, long torch neck, X technology	3.0		094-700005-20300	B1	544.00 €
	4.0		094-700005-20304	B1	571.00 €
	5.0	-	094-700005-20305	B1	597.00 €

PM 551 WL RD2 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 48 mm longer compared to standard torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Bend angle torch neck	45°
Operating weight	1.16 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, water-cooled, long torch neck, X technology	3.0		094-700005-20700	B1	608.00 €
	4.0		094-700005-20704	B1	634.00 €
	5.0	-	094-700005-20705	B1	661.00 €

PM 551 W

„Consumables PM 551 W“ on page 112

PM 551 WL RD3 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 48 mm longer compared to standard torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
- **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Bend angle torch neck	45 °
Operating weight	1.16 kg



Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, water-cooled, long torch neck, X technology	3.0	-	094-700005-20600	B1	608.00 €
	4.0		094-700005-20604	B1	634.00 €
	5.0		094-700005-20605	B1	661.00 €
	6.5		094-700005-20665	B1	736.00 €

PM 551 WS



- Water-cooled MIG/MAG welding torch
- Torch neck 23 mm shorter compared to standard torch
- Fits all welding machines with a Euro torch connector
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Bend angle torch neck	36 °
Operating weight	1.1 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, water-cooled, short torch neck	3.0	-	094-700005-30000	B1	410.00 €
	4.0		094-700005-30004	B1	437.00 €
	5.0		094-700005-30005	B1	464.00 €
	6.5		094-700005-30065	B1	539.00 €



PM 551 WS LED X



Titan XQ
MULTIMATRIX*

- Water-cooled MIG/MAG welding torch
- Torch neck 23 mm shorter compared to standard torch
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Bend angle torch neck	36 °
Operating weight	1.1 kg




Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch with LED lighting, water-cooled, short torch neck	3.0		094-700005-30900	B1	470.00 €
	4.0		094-700005-30904	B1	497.00 €
	5.0	-	094-700005-30905	B1	524.00 €

PM 551 WS 2U/D



- Water-cooled MIG/MAG function torch
- Torch neck 23 mm shorter compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Additional control cable for connection to EWM welding machines without X technology

Bend angle torch neck	35 °
Operating weight	1.1 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down, short torch neck	3.0		094-700005-30800	B1	517.00 €
	4.0		094-700005-30804	B1	544.00 €
	5.0		094-700005-30805	B1	571.00 €

PM 551 W

„Consumables PM 551 W“ on page 112

PM 551 WS 2U/D X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch
- Torch neck 23 mm shorter compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Bend angle torch neck	36 °
Operating weight	1.1 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, water cooled, 2 up/down, short torch neck, X technology	3.0		094-700005-30300	B1	517.00 €
	4.0		094-700005-30304	B1	544.00 €
	5.0	-	094-700005-30305	B1	571.00 €

PM 551 WS RD2 X





Titan XQ
MULTIMATRIX*



- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 23 mm shorter compared to standard torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Bend angle torch neck	36 °
Operating weight	1.1 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, short torch neck, water-cooled, with X technology	3.0		094-700005-30700	B1	581.00 €
	4.0		094-700005-30704	B1	608.00 €
	5.0	-	094-700005-30705	B1	634.00 €

PM 551 WS RD3 X





Titan XQ
MULTIMATRIX*

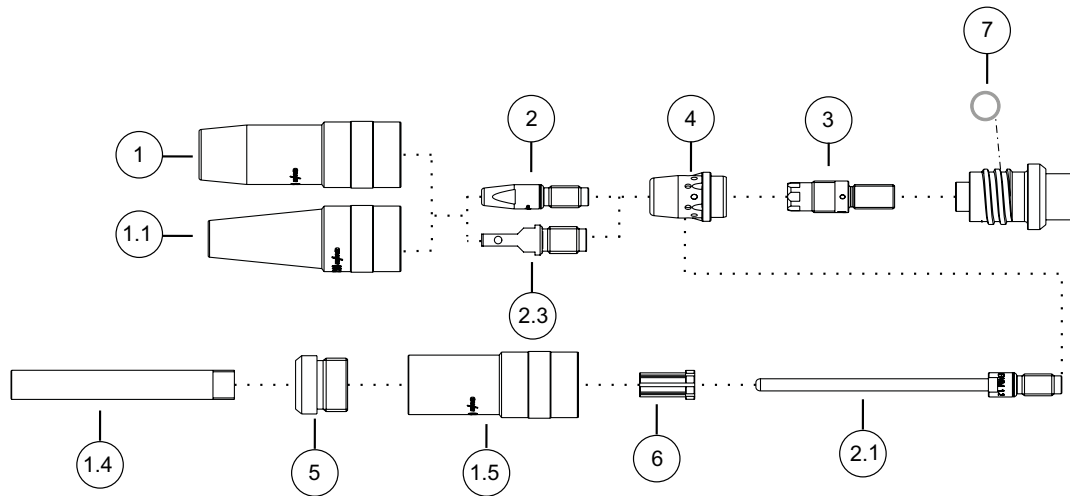


- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 23 mm shorter compared to standard torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
- **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only

Bend angle torch neck	36°
Operating weight	1.1 kg

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch with OLED graphic display, short torch neck, water-cooled, with X technology	3.0		094-700005-30600	B1	581.00 €
	4.0		094-700005-30604	B1	608.00 €
	5.0	-	094-700005-30605	B1	634.00 €
	6.5		094-700005-30665	B1	709.00 €

Consumables PM 551 W



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU	Item no.	PG	Price Per unit
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001	B2	9.99 €
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001	B2	9.99 €
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001	B2	9.99 €
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001	B2	9.99 €
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001	B2	9.99 €
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001	B2	9.99 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000	B2	12.67 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	66	-	1	094-022227-00000	B2	11.07 €
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	B2	6.50 €
1.4	Gas nozzle, narrow gap welding	-	-	-	76	-	10	094-022226-00000	B2	9.20 €
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000	B2	10.15 €
2	Contact nozzle	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2.35 €
2	Contact nozzle	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2.35 €
2	Contact nozzle	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2.35 €
2	Contact nozzle	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2.35 €
2	Contact nozzle	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2.35 €
2	Contact nozzle	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2.35 €
2	Contact nozzle	-	2	M9	35	CuCrZr	10	094-013534-00001	B3	2.74 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	2	M8	30	E-Cu	10	094-016920-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1.81 €
2	Contact nozzle	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1.81 €
2	Contact nozzle	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1.81 €
2	Contact nozzle	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1.81 €
2	Contact nozzle	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1.81 €
2	Contact nozzle	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1.81 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU	Item no.	PG	Price Per unit
2	Contact nozzle	-	2	M8	30	CuCrZr	10	094-014193-00000	B3	1.81 €
2	Contact nozzle	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1.28 €
2	Contact nozzle	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1.28 €
2	Contact nozzle	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1.28 €
2	Contact nozzle	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1.28 €
2	Contact nozzle	-	2	M8	30	E-Cu	10	094-016114-00000	B3	1.28 €
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	B2	8.20 €
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	B2	10.80 €
2.3	Forced contact contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.6	M9	35	CuCrZr	10	094-025533-00000	B2	5.80 €
3	Contact tip holder	-	-	M8	34.5	CuCrZr	10	094-015489-00003	B2	5.20 €
3	Contact tip holder	-	-	M8	37.5	CuCrZr	10	094-016018-00003	B2	5.20 €
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003	B2	5.95 €
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003	B2	5.95 €
4	Gas diffuser	20.2	-	-	25	Plastic	10	094-013111-00002	B2	3.45 €
5	Capillary tube	-	-	-	-	-	1	094-019625-00000	B2	21.95 €
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	B2	2.18 €
7	O-Ring for gas nozzle holder	-	-	-	-	-	10	094-022875-00000	B2	0.98 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

Replacement parts set PM 551 W

Set Steel/CrNi M9 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, steel/CrNi, M9
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 35 mm and 38 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M9
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013429-30000	B2	164.00 €

Set Alu M8 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, aluminium, M8
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 35 mm and 38 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M8
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013429-40001	B2	156.00 €

Set Alu M9 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, aluminium, M9
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 35 mm and 38 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M9
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013429-30001	B2	156.00 €

Set Steel/CrNi M8 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, steel/CrNi, M8
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 34.5 mm and 37.5 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M8
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price
			Per unit
Consumables set, steel/chromium nickel	092-013429-40000	B2	164.00 €

PM 551 W Alu

- Ex works, equipped for welding aluminium wires

Gas nozzle Ø 15 mm; 66 mm

● **Equipment as delivered for Ø 1.0 mm aluminium wire:**

- Gas diffuser Ø 20 mm; 26 mm
- Contact tip forced contacting M9 x 35 mm; Ø 1.0 mm and contact tip holder M9 x 35 mm
- Combined liner PA; Ø 1.5 mm x 4 mm

● **Equipment as delivered for Ø 1.2 mm aluminium wire:**

- Contact tip forced contacting M9 x 35 mm; Ø 1.2 mm and contact tip holder M9 x 35 mm
- Combined liner PA; Ø 2 mm x 4 mm





PM 551 W Alu

Duty cycle CO2	650 A / 100 %
Duty cycle M21	550 A / 100 %
Duty cycle M21 pulse	500 A / 100 %
Connection	Euro torch connector
Bend angle torch neck	45 °
Operating weight	1.1 kg
Approvals	CE sign

PM 551 W Alu



- Water-cooled MIG/MAG welding torch
- Fits all welding machines with a Euro torch connector

Designation	Ø			Item no.	PG	Price
	mm	m				
MIG/MAG welding torch, water-cooled	1,0	3.0		094-700005-40000	B1	448.00 €
		4.0		094-700005-40004	B1	473.00 €
	1,2	3.0		094-700005-50000	B1	448.00 €
		4.0		094-700005-50004	B1	473.00 €



PM 551 W 2U/D X Alu



Titan XQ
MULTIMATRIX®



- Water-cooled MIG/MAG function torch
 - **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Designation	Ø			Item no.	PG	Price
	mm	m				
MIG/MAG function torch, water cooled, 2 up/down, X technology	1,0	3.0		094-700005-40800	B1	555.00 €
		4.0		094-700005-40804	B1	580.00 €
	1,2	3.0		094-700005-50800	B1	555.00 €
		4.0		094-700005-50804	B1	580.00 €



PM 551 W RD3 X Alu



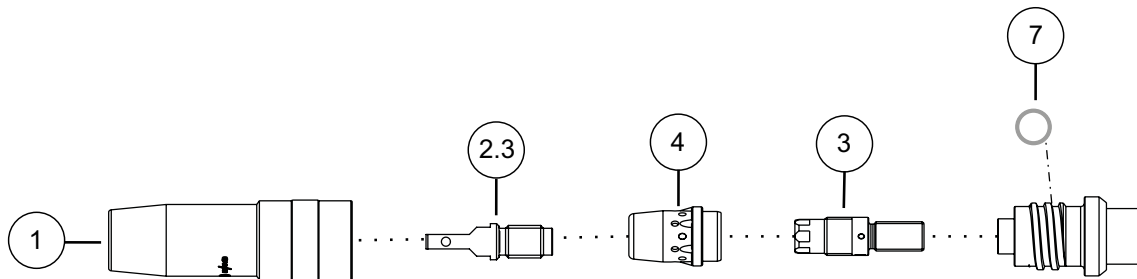
Titan XQ
MULTIMATRIX®



- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
 - Operating mode and welding type
 - Welding process switching
 - Interferences and error messages
 - **Xnet support:**
 - Selection of welding tasks according to welding sequence plan
 - Component management
- Automatic LED lighting when the welding torch is moved
- The complete range of functions of PM function torches is only available when used in connection with the Titan XQ puls machine series
- If the function torch is connected to EWM MULTIMATRIX or Taurus Steel welding machines, the welding torch switches to compatibility mode and has limited functions
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Designation	Ø			Item no.	PG	Price
	mm	m				
MIG/MAG function torch with OLED graphic display, water-cooled, X technology	1,0	3.0		094-700005-40600	B1	619.00 €
		4.0		094-700005-40604	B1	644.00 €
	1,2	3.0		094-700005-50600	B1	619.00 €
		4.0		094-700005-50604	B1	644.00 €

Consumables PM 551 W Alu



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU	Item no.	PG	PE	Price
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001	B2	Per unit	9.99 €
2.3	Forced contact contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	Per unit	5.80 €
2.3	Forced contact contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	Per unit	5.80 €
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003	B2	Per unit	5.95 €
4	Gas diffuser	20.2	-	-	25	Plastic	10	094-013111-00002	B2	Per unit	3.45 €
7	O-Ring for gas nozzle holder	-	-	-	-	-	10	094-022875-00000	B2	-	0.98 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	Per unit	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	Per unit	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	Per unit	6.30 €

Plastic liners

Item	Designation	Wire Ø	Inside Ø	Outside Ø	Length m	Material	PU	Item no.	PG	Price
		mm	mm	mm			Units			
8	Combined liner, PA	1.2 - 1.6	2	4	3	PA	1	094-013076-00000	B2	20.80 €
8	Combined liner, PA	1.2 - 1.6	2	4	4	PA	1	094-013077-00000	B2	22.90 €
8	Combined liner, PA	1.2 - 1.6	2	4	5	PA	1	094-013565-00000	B2	25.00 €
8	Combined liner, PA	0.6 - 1	1.4	4	3	Polyamid	1	094-013687-00000	B2	20.80 €
8	Combined liner, PA	0.6 - 1	1.4	4	4	PA	1	094-013687-00004	B2	22.50 €
8	Combined liner, PA	1.2 - 1.6	2	4	3	PA	1	094-013076-00000	B2	20.80 €
8	Combined liner, PA	1.2 - 1.6	2	4	4	PA	1	094-013077-00000	B2	22.90 €

Options PM welding torches

Torch grip option



- Pistol grip for PM welding torch
- Compatible with all PM standard and function torches
- Handle is quick and easy to assemble.
- Assembly tool is included in the supply package.
- **Benefits for you:**
 - Easy, fatigue-free operation, even with long weld seams
 - Natural positioning of the wrist
 - LED lighting is included in the entire range
 - Practical mounting of the torch key inside the handle
 - Not compatible with extended torch trigger

Designation	Item no.	PG	Price Per unit
Optional pistol grip for PM welding torch	092-007944-00000	B2	65.00 €

Torch trigger extension



- Torch trigger extension for PM welding torches including installation tool
- The torch trigger extension for PM welding torches with LED lighting can only be fitted to PM welding torches using X technology. The „ON LED PM Standard“ option is absolutely necessary in order to retrofit the LED lighting on standard PM welding torches!

Designation	Item no.	PG	Price Per unit
Torch trigger extension for PM welding torches with LED	094-023891-00000	B2	36.50 €
Torch trigger extension for PM standard welding torches	094-022327-00000	B2	29.00 €

Conversion kit, upper torch trigger



- Conversion kit for “torch trigger at top” including tool for installation

Designation	Item no.	PG	Price Per unit
Conversion kit, torch trigger on top for PM standard welding torches	092-007938-00000	B2	63.80 €
Conversion kit, torch trigger at the top for PM welding torches with LED	092-007939-00000	B2	103.00 €

LED lighting retrofit set



- Retrofit set "LED lighting" including installation tool
- For standard PM welding torches without LED built-in by the manufacturer
- LED lighting only works on Titan XQ puls and EWM Multimatrix welding machines.

Designation	Item no.	PG	Price Per unit
LED lighting retrofit kit for PM standard torches	092-007940-00000	B2	110.00 €

Heat protection shield

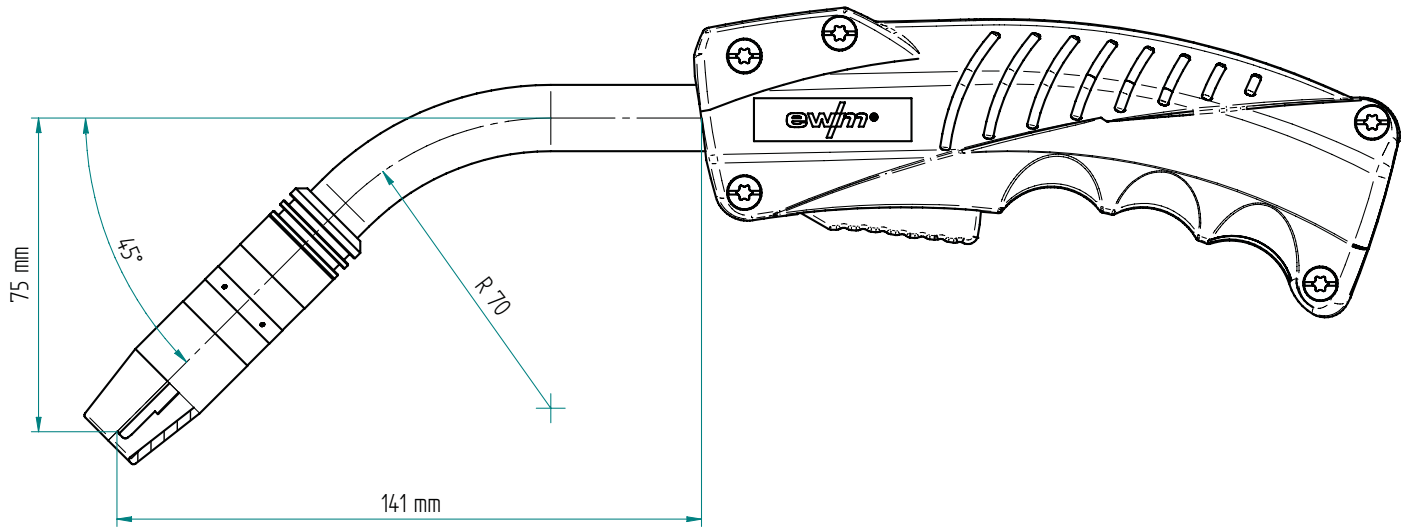


- Heat protection shield for retrofitting PM/MT torch
- Thanks to the predetermined breaking point, also compatible with PM welding torches with LED lighting (limited, however, on replaceable neck torches)
- **Suitable for:**
 - PM/MT 301 G, CG
 - PM/MT 401 G, CG
 - PM/MT 451 W, WS, WL
 - PM/MT 551 W, WS, WL

Designation	Item no.	PG	Price Per unit
Heat protection shield for PM/MT welding torches	094-025359-00000	B2	32.50 €

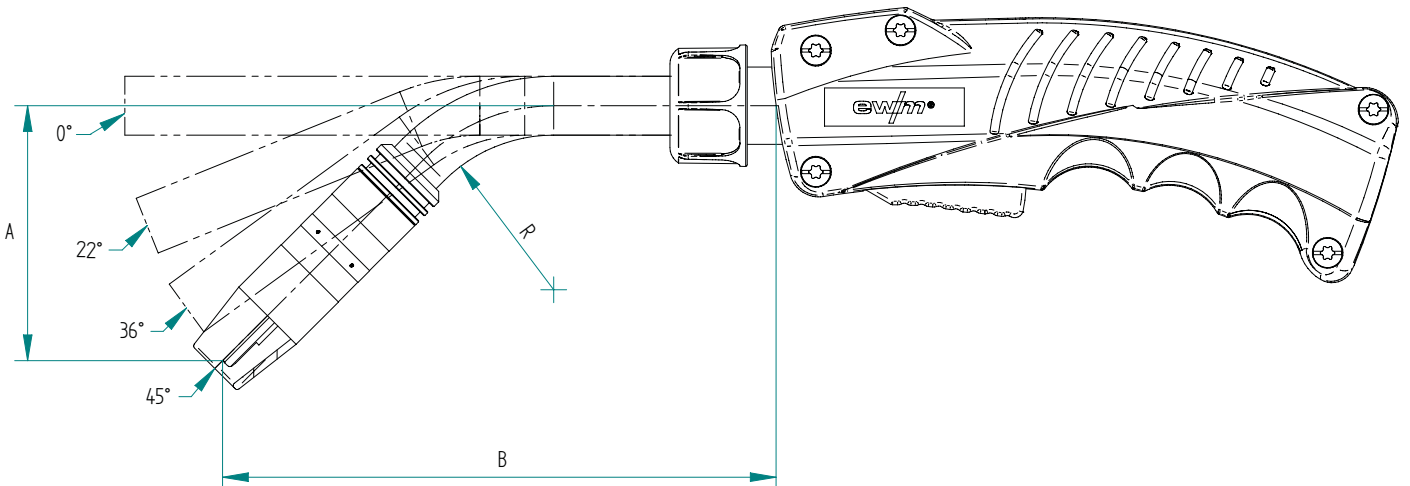
Overview of MT torch models

MT221G (standard)



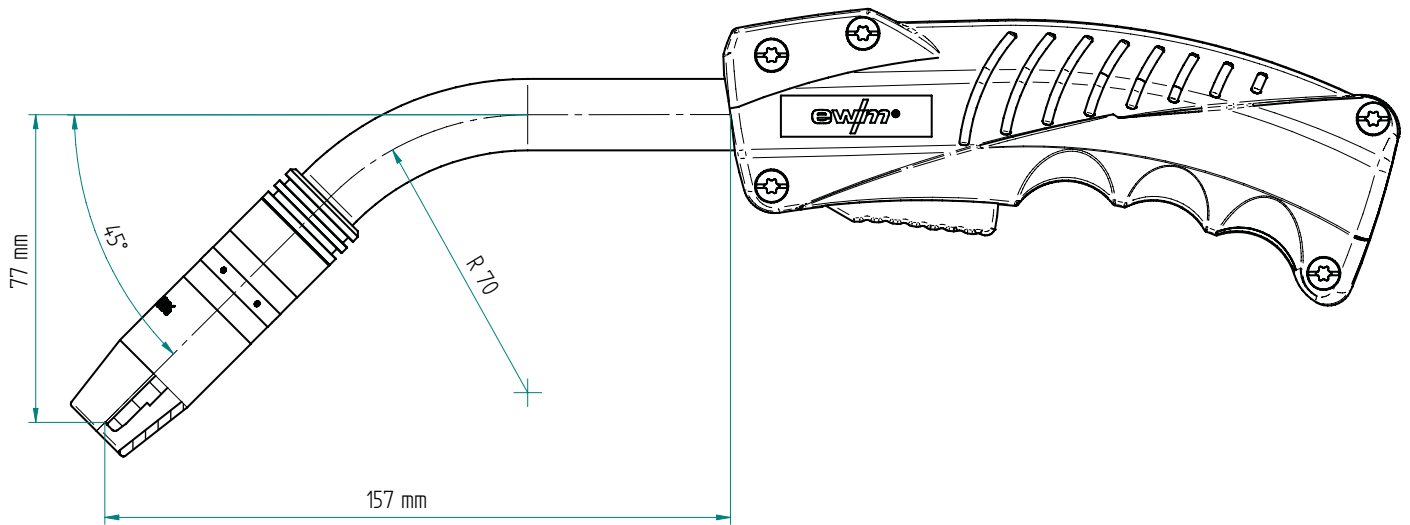
	MT221G
Torch neck length	141 mm
Torch neck bend angle	45°
Radius	70
Torch neck height	75 mm

MT221CG (replaceable neck)



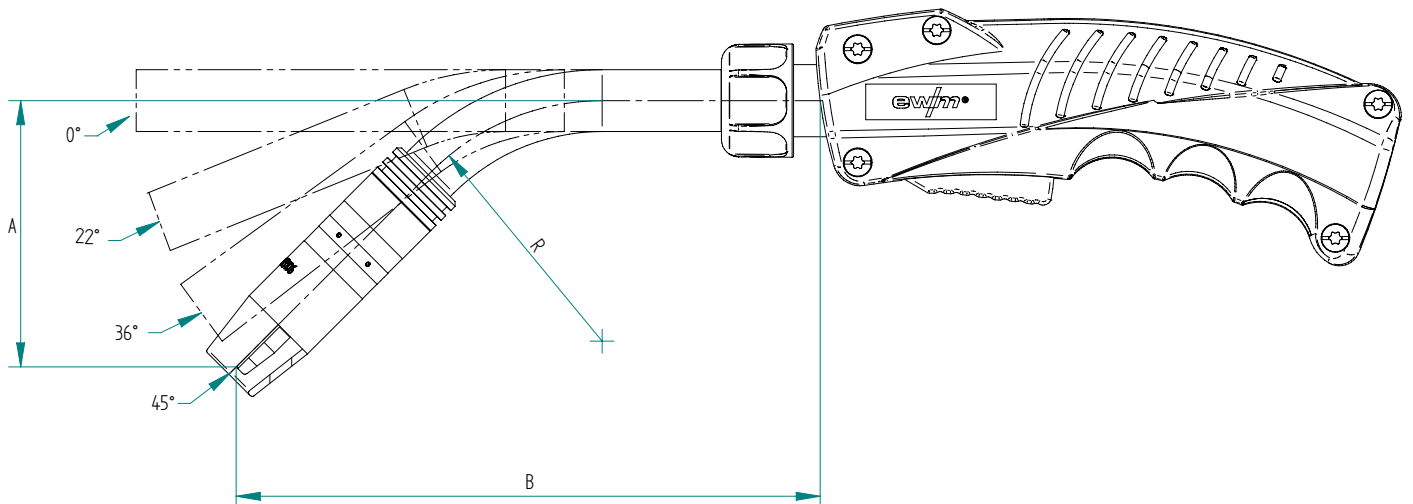
Angle	R	A	B
45°	50	69 mm	150 mm
36°	50	55 mm	160 mm
22°	50	32 mm	171 mm
0°	-	0 mm	177 mm

MT301G (standard)



	MT301G
Torch neck length	157 mm
Torch neck bend angle	45°
Radius	70
Torch neck height	77 mm

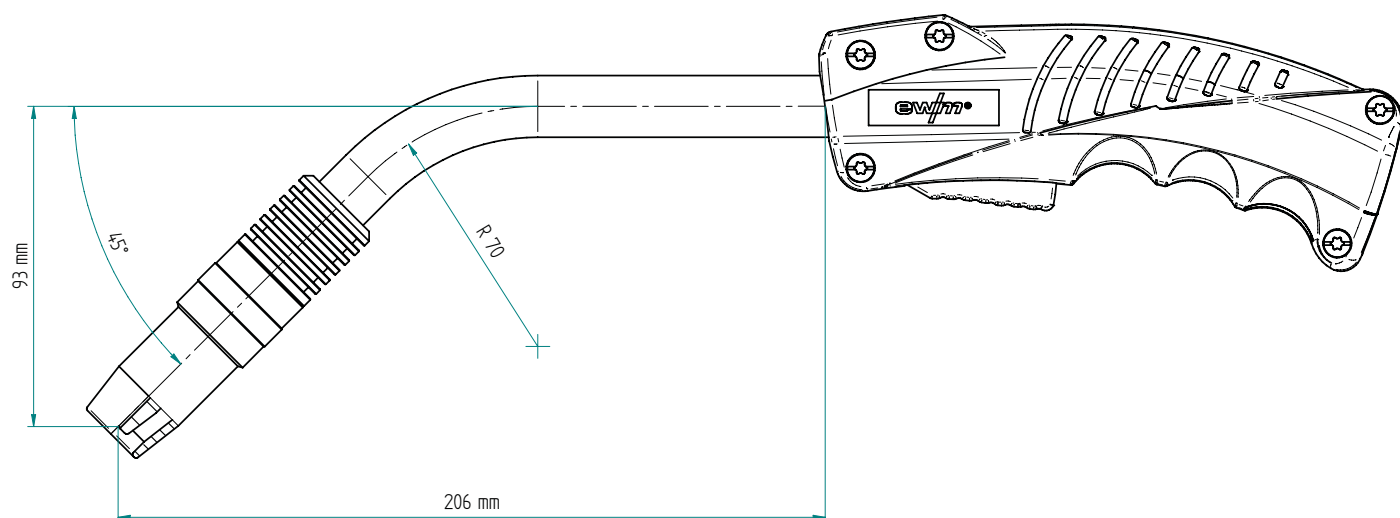
MT301CG (replaceable neck)



Angle	R	A	B
45°	70	77 mm	170 mm
36°	70	61 mm	181 mm
22°	70	35 mm	192 mm
0°	-	0 mm	199 mm

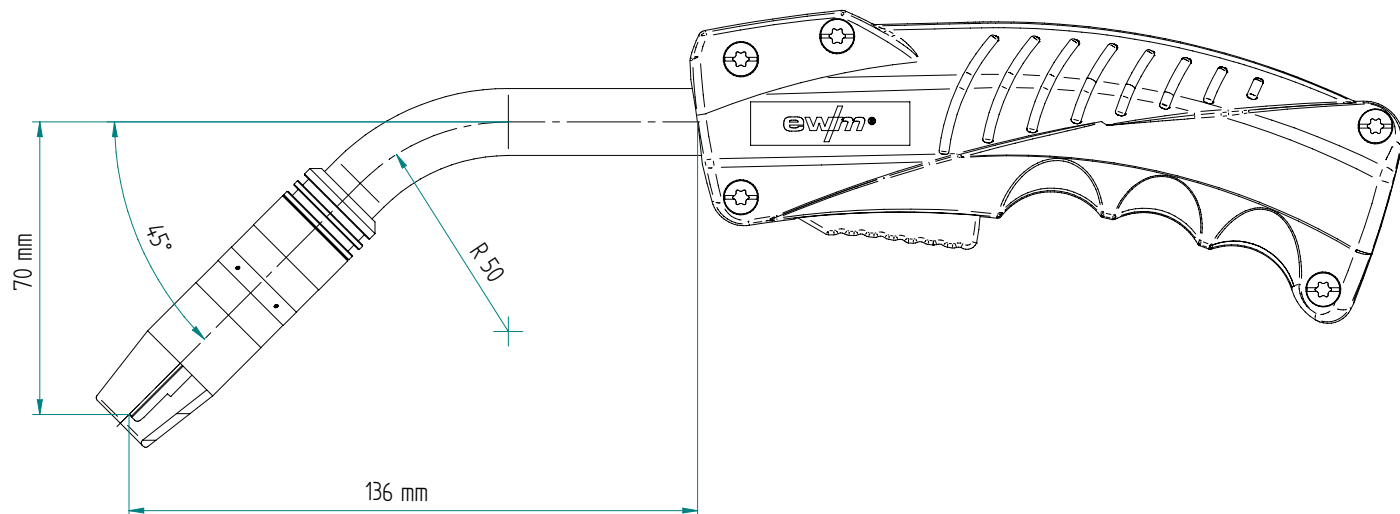
Overview of MT torch models

MT401G (standard)



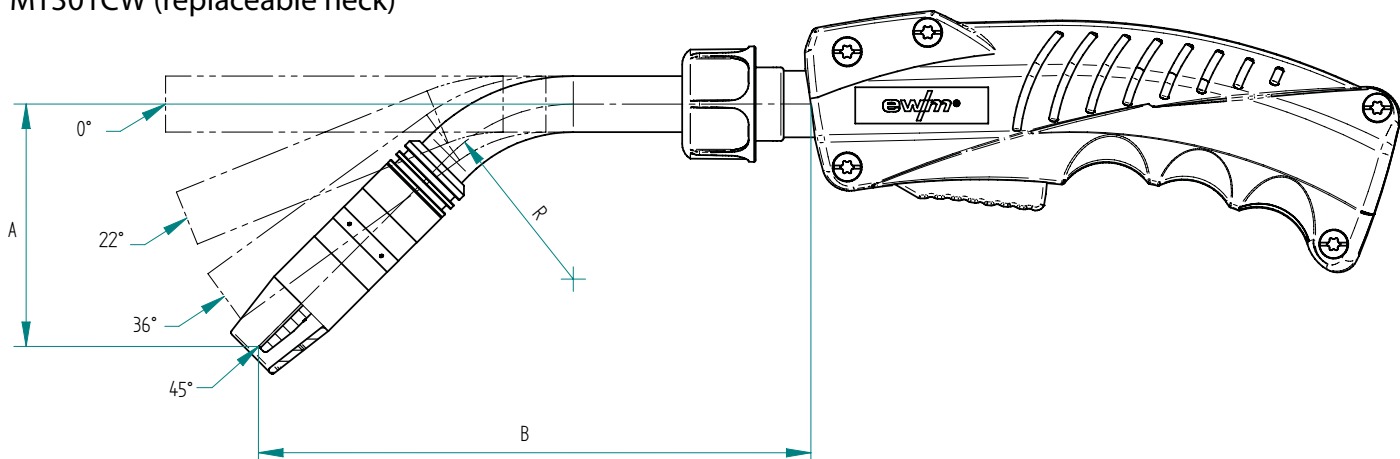
	MT401G
Torch neck length	206 mm
Torch neck bend angle	45°
Radius	70
Torch neck height	93 mm

MT301W (standard)



	MT301W
Torch neck length	136 mm
Torch neck bend angle	45°
Radius	50
Torch neck height	70 mm

MT301CW (replaceable neck)

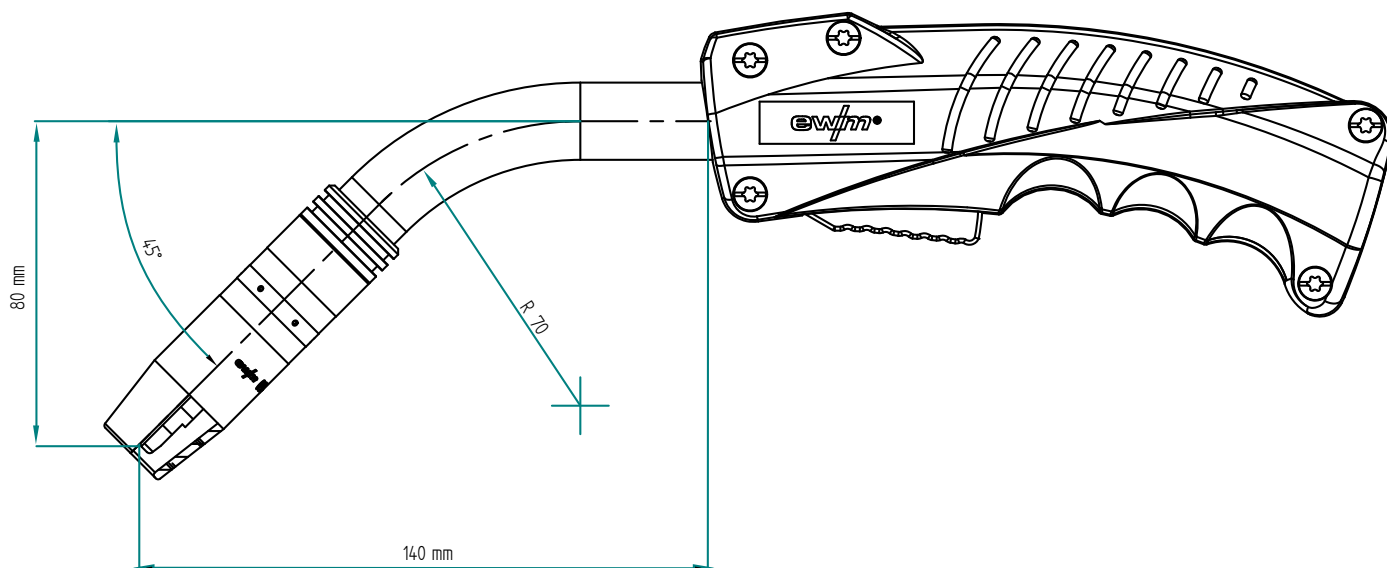


Angle	R	A	B
45°	50	70 mm	158 mm
36°	50	55 mm	167 mm
22°	50	32 mm	178 mm
0°	-	0 mm	184 mm

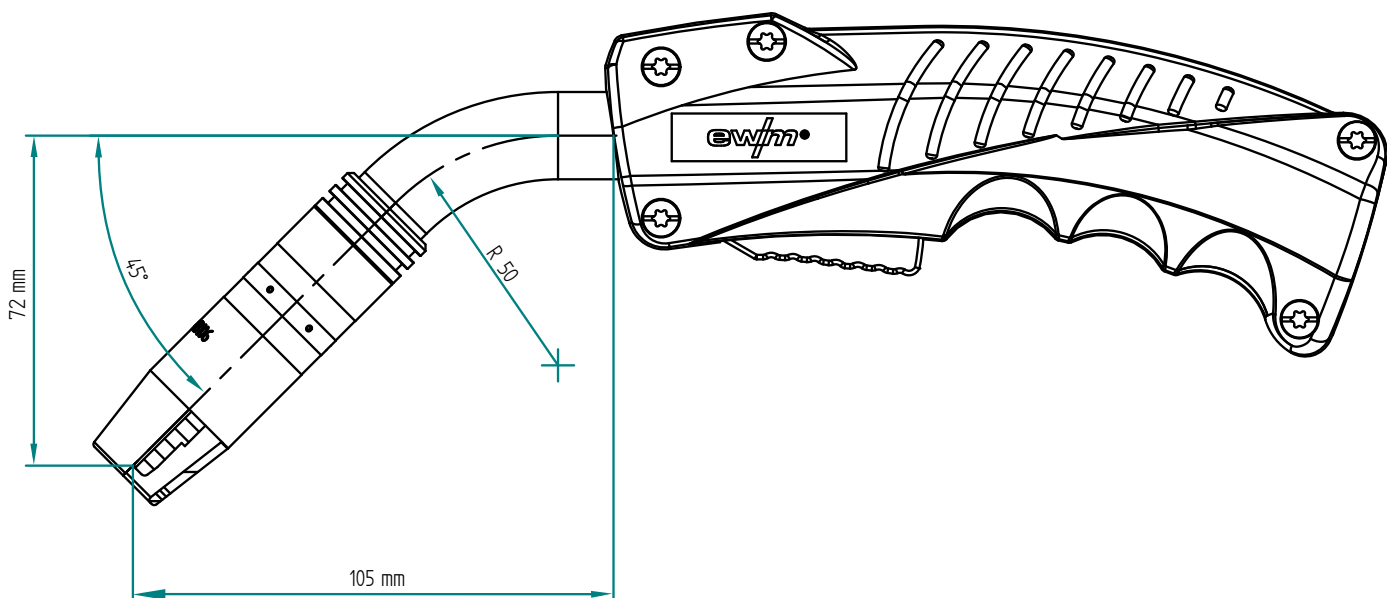
MT MIG/MAG welding torch

Overview of MT torch models

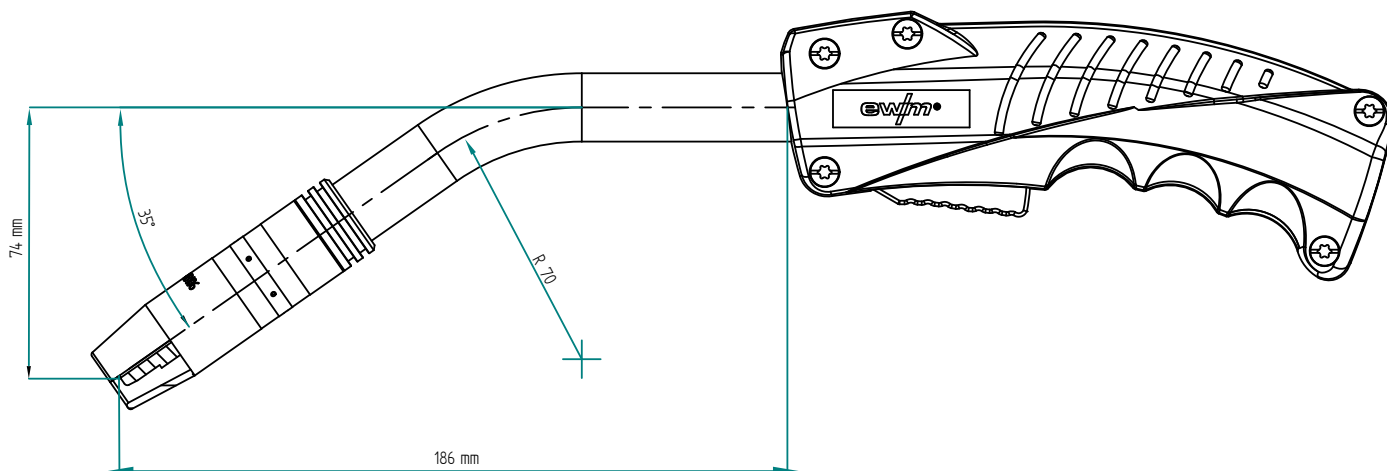
MT451W (standard)



MT451WS (short torch neck)

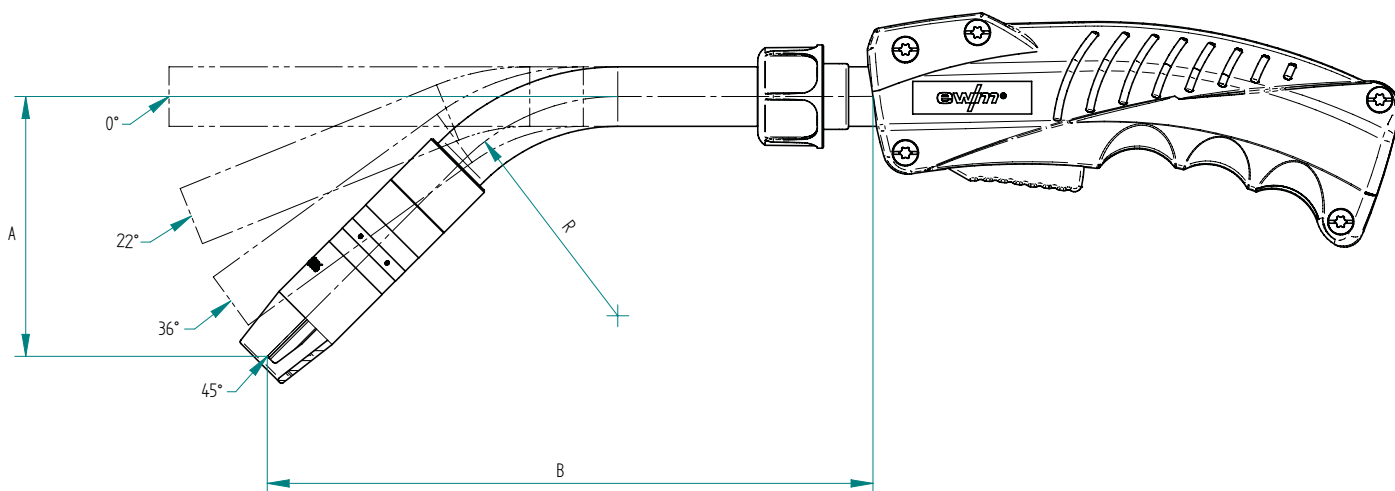


MT451WL (long torch neck)



	MT451W	MT451WS	MT451WL
Torch neck length	140 mm	105 mm	186 mm
Torch neck bend angle	45°	45°	35°
Radius	70	50	70
Torch neck height	80 mm	72 mm	74 mm

MT451CW (replaceable neck)

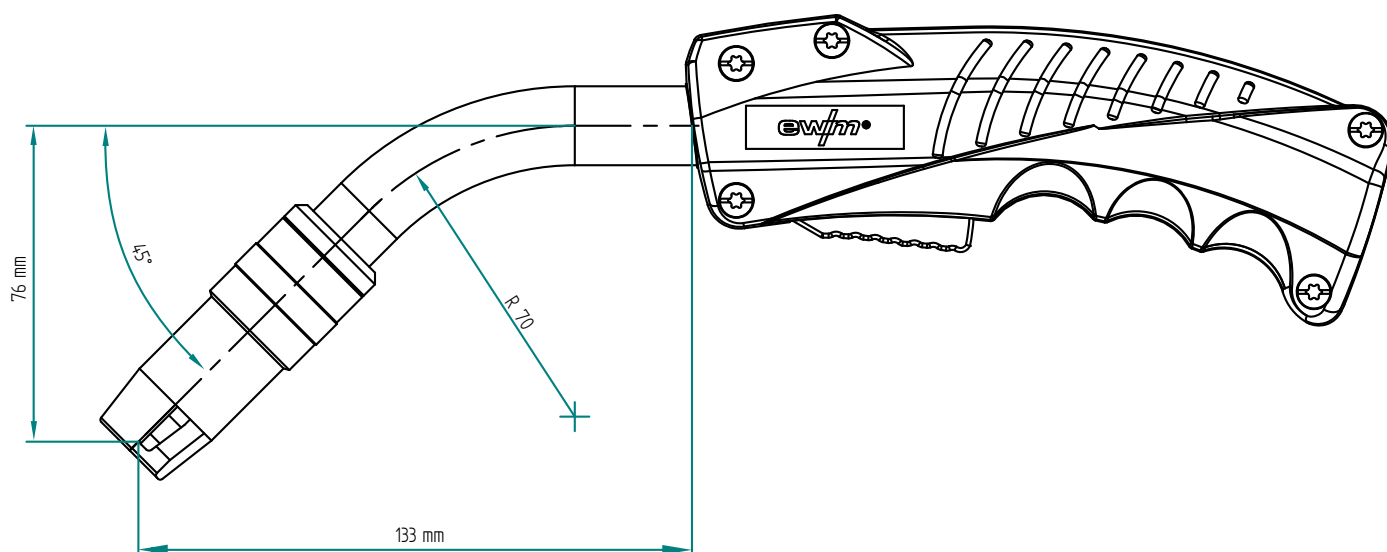


Angle	R	A	B
45°	70	83 mm	193 mm
36°	70	65 mm	205 mm
22°	70	38 mm	217 mm
0°	-	0 mm	225 mm

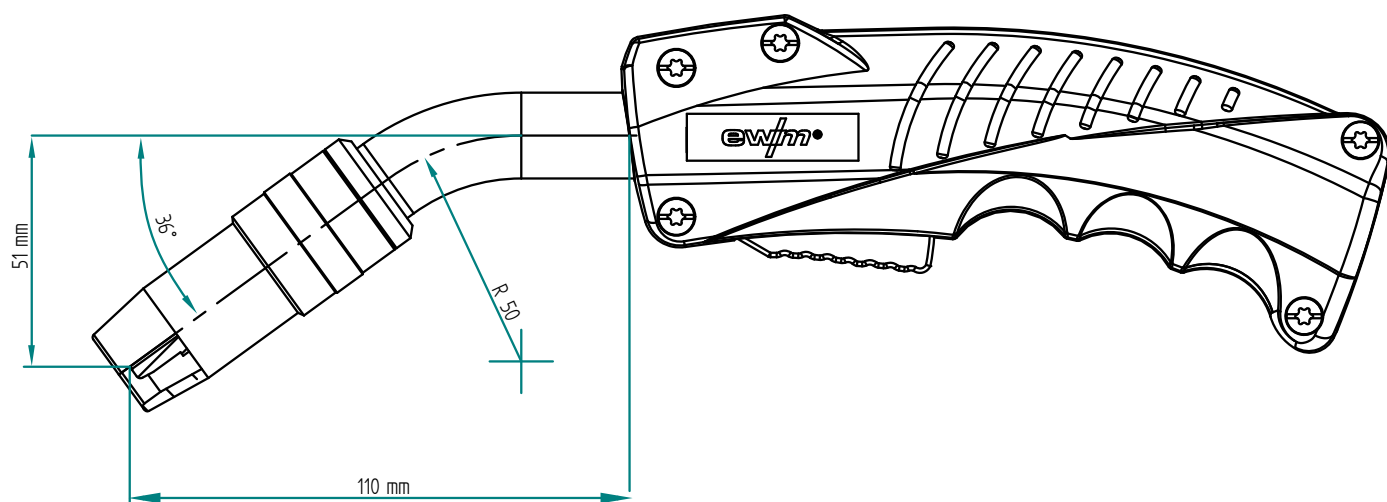
MT MIG/MAG welding torch

Overview of MT torch models

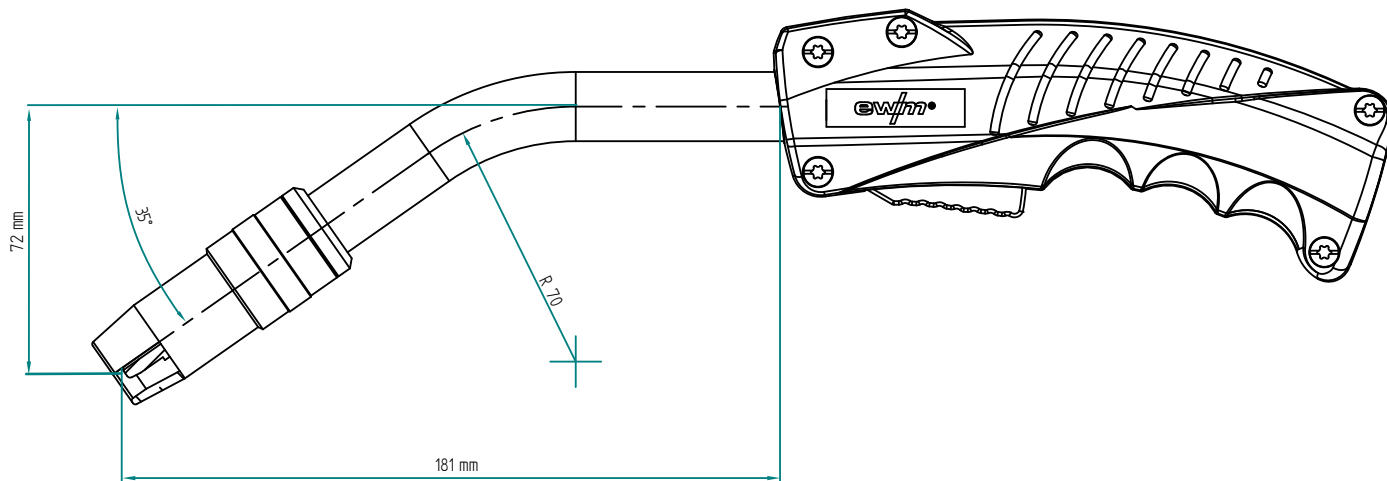
MT551W (standard)



MT551WS (short torch neck)



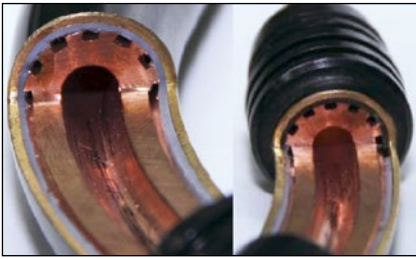
MT551WL (long torch neck)



Overview

	MT551W	MT551WS	MT551WL
Torch neck length	133 mm	110 mm	181 mm
Torch neck bend angle	45°	36°	35°
Radius	70	50	70
Torch neck height	76 mm	51 mm	72 mm

1



Patented* cooling system,
interior insulation,
Inner tube made of CuCrZr

* EP 2407268 B1

2



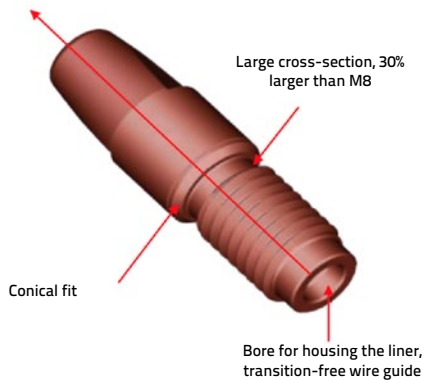
Parallel double-circuit cooling:
4 conduits in inside cooling circuit
Shielding gas conduit and insulation (white)
8 conduits in outside cooling circuit

3

Consumables made of CuCrZr

4

Long contacting surface



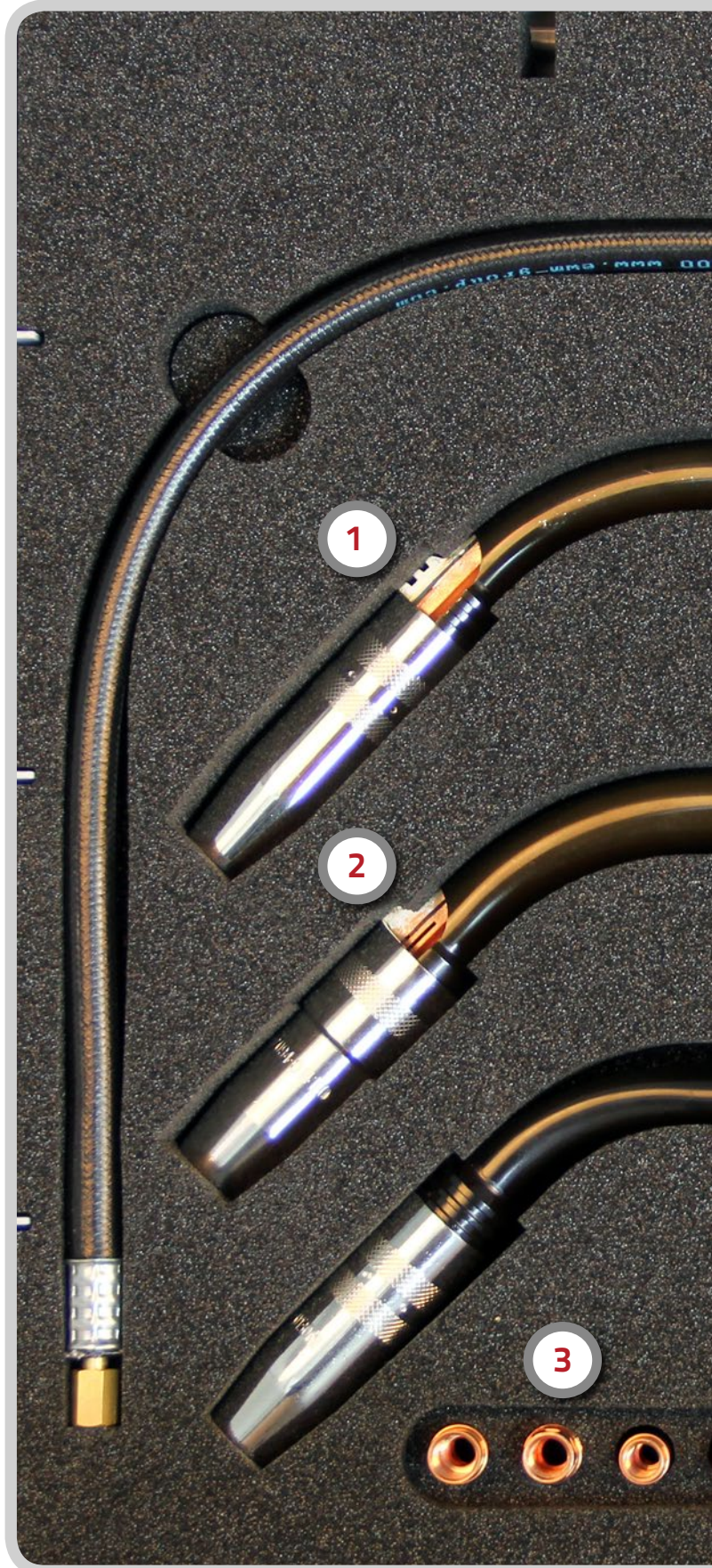
EWM contact tips

5

Conical fit for CG and CW
replaceable neck welding torches

6

Tin-plated power/water cable: less
oxidation, no silting of the coolant,
reinforced hoses, Made in Germany,
pressure-resistant to 30 bar



7

Narrow-gap gas nozzles
cylindrical and conical



8

Gas diffuser made of high-tensile, temperature-resistant special plastic

9

EWM Microswitch with gold-plated contacts. Service life > 1,000,000 switching cycles

1

Optional retrofit set for upper torch trigger
Item no.: 092-0007829-00500

2

Up/Down (U/D)

Setting of:

- Welding current or wire feed speed
- Program

3

2 x Up/Down (2U/D)

Setting of:

- Welding current or wire feed speed
- Welding voltage
- Program



4

Powercontrol 1 (PC1)

Setting of:

- Welding current or wire feed speed
- Program

5

Powercontrol 2 (PC2)

Setting of:

- Welding current or wire feed speed
- Welding voltage
- Program
- JOB



2 5

With X technology



3



4



5



Perfectly balanced -> get straight into the welding position



Without X technology



6

Grip for automated welding torch
38 mm in diameter in clamping area

MIG/MAG welding torches - Gas-cooled MT welding torches

MT221G

MT221G	134
MT221G U/DX /// MT221G U/D	134
MT221G 2U/DX /// MT221G 2U/D	135
MT221G PC1X /// MT221G PC1	135
MT221G PC2X /// MT221G PC2	136
MT221CG	136
MT221CG U/DX /// MT221CG U/D	136
MT221CG 2U/DX /// MT221CG 2U/D	137
MT221CG PC1X /// MT221CG PC1	137
MT221CG PC2X /// MT221CG PC2	138

MT301G

MT301G	142
MT301G U/DX /// MT301G U/D	142
MT301G 2U/DX /// MT301G 2U/D	143
MT301G PC1X /// MT301G PC1	143
MT301G PC2X /// MT301G PC2	144
MT301CG	144
MT301CG U/DX /// MT301CG U/D	144
MT301CG 2U/DX /// MT301CG 2U/D	145
MT301CG PC1X /// MT301CG PC1	145
MT301CG PC2X /// MT301CG PC2	146

MT401G

MT401G	150
MT401G U/DX /// MT401G U/D	150
MT401G 2U/DX /// MT401G 2U/D	151
MT401G PC1X	151
MT401G PC2X	151

MIG/MAG welding torches - Water-cooled MT welding torches

MT301W

MT301W	156
MT301W U/DX /// MT301W U/D	156
MT301W 2U/DX /// MT301W 2U/D	157
MT301W PC1X /// MT301W PC1	157
MT301W PC2X /// MT301W PC2	158
MT301CW	158
MT301CW U/DX /// MT301CW U/D	158
MT301CW 2U/DX /// MT301CW 2U/D	159
MT301CW PC1X /// MT301CW PC1	159
MT301CW PC2X /// MT301CW PC2	160

MT451W

MT451W	164
MT451W U/DX /// MT451W U/D	164
MT451W 2U/DX /// MT451W 2U/D	165
MT451W PC1X /// MT451W PC1	165
MT451W PC2X /// MT451W PC2	166
MT451CW	166
MT451CW U/DX /// MT451CW U/D	167

MT451W

MT451CW 2U/DX /// MT451CW 2U/D	167
MT451CW PC1X /// MT451CW PC1	168
MT451CW PC2X /// MT451CW PC2	168
MT451WS	169
MT451WS U/DX /// MT451WS U/D	169
MT451WS 2U/DX /// MT451WS 2U/D	170
MT451WS PC1X /// MT451W PC1	170
MT451WS PC2X /// MT451WS PC2	171
MT451WL	171
MT451WL U/DX /// MT451WL U/D	172
MT451WL 2U/DX /// MT451WL 2U/D	172
MT451WL PC1X /// MT451WL PC1	173

MT551W

MT551W	178
MT551W U/DX /// MT551W U/D	178
MT551W 2U/DX /// MT551W 2U/D	179
MT551W PC1X /// MT551W PC1	179
MT551W PC2X /// MT551W PC2	180
MT551WS	180
MT551WS U/DX /// MT551WS U/D	181
MT551WS 2U/DX /// MT551WS 2U/D	181
MT551WS PC1X /// MT551WS PC1	182
MT551WS PC2X /// MT551WS PC2	182
MT551WL	183
MT551WL U/DX /// MT551WL U/D	183
MT551WL 2U/DX /// MT551WL 2U/D	184
MT551WL PC1X /// MT551WL PC1	184
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MIG/MAG welding torches - Fume extraction torch

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MIG/MAG welding torches - Push-pull torch

Gas-cooled push/pull welding torches

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PP MTCG U/D	198
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Water-cooled push/pull welding torches

PP MTCW	201
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MIG/MAG welding torches - Automated welding torch – AMT series

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MT221G

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Equipment as delivered (steel wire Ø 1.0 mm):



- Gas nozzle Ø 13 mm; 66 mm
- Gas diffuser Ø 14 mm; 12.5 mm
- Contact tip M7 x 30 mm; Ø 1.0 mm and contact tip holder M7 x 31.5 mm
- Steel liner blue; Ø 1.5 mm x 3.8 mm

Duty cycle CO2	250 A / 60 %
Duty cycle M21	220 A / 60 %
Duty cycle M21 pulse	150 A / 60 %
Wire Ø	0.8 mm - 1.2 mm
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °
Approvals	CE sign

MT221G

- Gas-cooled MIG/MAG welding torch
- Fits all welding machines with a Euro torch connector






Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, gas-cooled	3.0		094-500050-00000	B1	262.00 €
	4.0	-	094-500050-00004	B1	277.00 €
	5.0		094-500050-00005	B1	294.00 €

MT221G U/DX /// MT221G U/D






- Gas-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, up/down, gas cooled, with X technology	3.0		094-500116-00200	B1	368.00 €
	4.0	-	094-500116-00204	B1	400.00 €
	5.0		094-500116-00205	B1	426.00 €
MIG/MAG function torch, up/down, gas cooled	3.0		094-500050-00200	B1	368.00 €
	4.0		094-500050-00204	B1	400.00 €
	5.0		094-500050-00205	B1	426.00 €

MT221G 2U/DX /// MT221G 2U/D






- Gas-cooled MIG/MAG function torch
 - **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, 2 up/down, gas cooled, with X technology	3.0		094-500116-00300	B1	368.00 €
	4.0	-	094-500116-00304	B1	400.00 €
	5.0		094-500116-00305	B1	426.00 €
MIG/MAG function torch, 2 up/down, gas cooled	3.0		094-500050-00300	B1	368.00 €
	4.0		094-500050-00304	B1	400.00 €
	5.0		094-500050-00305	B1	426.00 €

MT221G PC1X /// MT221G PC1



- Gas-cooled MIG/MAG function torch
 - Displaying and setting of welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, Powercontrol 1, gas cooled, with X technology	3.0		094-500116-00400	B1	432.00 €
	4.0	-	094-500116-00404	B1	458.00 €
	5.0		094-500116-00405	B1	485.00 €
MIG/MAG function torch, Powercontrol 1, gas cooled	3.0		094-500050-00400	B1	432.00 €
	4.0		094-500050-00404	B1	458.00 €
	5.0		094-500050-00405	B1	485.00 €




MT221G

„Consumables MT221G“ on page 138

MT221G PC2X /// MT221G PC2





- Gas-cooled MIG/MAG function torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, Powercontrol 2, gas cooled, with X technology			094-500116-00700	B1	432.00 €
	3.0	-	094-500116-00704	B1	458.00 €
	4.0	-	094-500116-00705	B1	485.00 €
MIG/MAG function torch, Powercontrol 2, gas cooled			094-500050-00700	B1	432.00 €
	3.0		094-500050-00704	B1	458.00 €
	4.0		094-500050-00705	B1	485.00 €

MT221CG






- Gas-cooled MIG/MAG welding torch with replaceable neck (torch neck rotatable through 360°)
- Fits all welding machines with a Euro torch connector
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Designation			Item no.	PG	Price
	m				
MIG/MAG welding torch, gas-cooled, replaceable neck			094-500050-03000	B1	314.00 €
	3.0	-	094-500050-03004	B1	331.00 €
	4.0	-	094-500050-03005	B1	346.00 €

MT221CG U/DX /// MT221CG U/D






- Gas-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, up/down, gas cooled, replaceable neck, with X technology			094-500116-03200	B1	421.00 €
	3.0	-	094-500116-03204	B1	448.00 €
	4.0	-	094-500116-03205	B1	475.00 €
MIG/MAG function torch, up/down, gas cooled, replaceable neck			094-500050-03200	B1	421.00 €
	3.0		094-500050-03204	B1	448.00 €
	4.0		094-500050-03205	B1	475.00 €

MT221CG 2U/DX /// MT221CG 2U/D






- Gas-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
 - **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, 2 up/down, gas cooled, replaceable neck, with X technology			094-500116-03300	B1	421.00 €
	3.0	-	094-500116-03304	B1	448.00 €
	4.0	-	094-500116-03305	B1	475.00 €
MIG/MAG function torch, 2 up/down, gas cooled, replaceable neck			094-500050-03300	B1	421.00 €
	3.0		094-500050-03304	B1	448.00 €
	4.0		094-500050-03305	B1	475.00 €

MT221CG PC1X /// MT221CG PC1



- Gas-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
 - Displaying and setting of welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, Powercontrol 1, gas cooled, replaceable neck, with X technology			094-500116-03400	B1	485.00 €
	3.0	-	094-500116-03404	B1	512.00 €
	4.0	-	094-500116-03405	B1	539.00 €
MIG/MAG function torch, Powercontrol 1, gas cooled, replaceable neck			094-500050-03400	B1	485.00 €
	3.0		094-500050-03404	B1	512.00 €
	4.0		094-500050-03405	B1	539.00 €






MT221G

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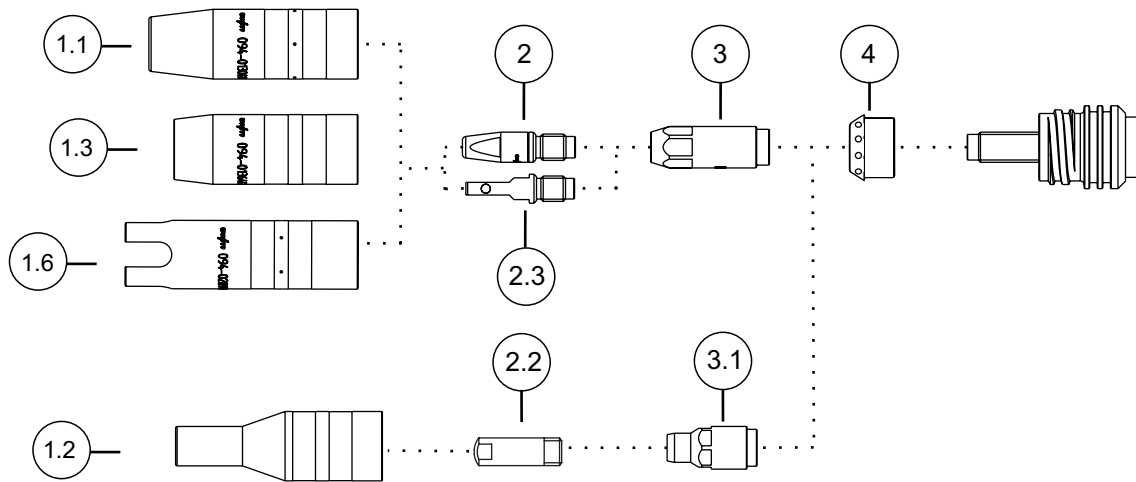
MT221CG PC2X /// MT221CG PC2



- Gas-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the "Push/pull welding torches" chapter.

Designation			Item no.	PG	Price
					Per unit
MIG/MAG function torch, Powercontrol 2, gas cooled, replaceable neck, with X technology	3.0	-	094-500116-03700	B1	485.00 €
	4.0	-	094-500116-03704	B1	512.00 €
	5.0	-	094-500116-03705	B1	539.00 €
MIG/MAG function torch, Powercontrol 2, gas cooled, replaceable neck	3.0		094-500050-03700	B1	485.00 €
	4.0		094-500050-03704	B1	512.00 €
	5.0		094-500050-03705	B1	539.00 €

Consumables MT221G



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.1	Gas nozzle	11	-	-	66	-	10	094-013062-00001	B2	7.03 €
1.1	Gas nozzle	13	-	-	66	-	10	094-013061-00001	B2	7.03 €
1.1	Gas nozzle	16	-	-	66	-	10	094-013063-00001	B2	7.03 €
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	10	094-020136-00000	B2	20.10 €
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000	B2	14.40 €
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000	B2	15.45 €
2	Contact nozzle	-	0.8	M7	30	CuCrZr	10	094-013535-00001	B3	1.87 €
2	Contact nozzle	-	0.9	M7	30	CuCrZr	10	094-013536-00001	B3	1.83 €
2	Contact nozzle	-	1	M7	30	CuCrZr	10	094-013537-00001	B3	1.51 €
2	Contact nozzle	-	1.2	M7	30	CuCrZr	10	094-013538-00001	B3	1.92 €
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00001	B3	1.75 €
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00001	B3	1.75 €
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00001	B3	1.78 €
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00001	B3	2.10 €
2	Contact tip, aluminium welding	-	0.8	M6	28	E-Cu	10	094-016105-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	0.9	M6	28	E-Cu	10	094-016106-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	1	M6	28	E-Cu	10	094-016107-00000	B3	0.96 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
2	Contact tip, aluminium welding	-	1.2	M6	28	E-Cu	10	094-016108-00000	B3	0.96 €
2	Contact nozzle	-	0.8	M6	28	CuCrZr	10	094-013071-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M6	28	CuCrZr	10	094-013122-00000	B3	1.28 €
2	Contact nozzle	-	1	M6	28	CuCrZr	10	094-013072-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M6	28	CuCrZr	10	094-014317-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M6	28	E-Cu	10	094-016101-00000	B3	0.96 €
2	Contact nozzle	-	0.9	M6	28	E-Cu	10	094-016102-00000	B3	0.96 €
2	Contact nozzle	-	1	M6	28	E-Cu	10	094-016103-00000	B3	0.96 €
2	Contact nozzle	-	1.2	M6	28	E-Cu	10	094-016104-00000	B3	0.96 €
2.2	Contact nozzle	-	0.6	M6	25	CuCrZr	10	094-005403-00000	E6	2.12 €
2.2	Contact nozzle	-	0.8	M6	25	CuCrZr	10	094-020689-00000	B2	0.67 €
2.2	Contact nozzle	-	1	M6	25	CuCrZr	10	094-020690-00000	B2	0.67 €
2.2	Contact nozzle	-	0.6	M6	25	E-Cu	10	094-020691-00000	B2	0.47 €
2.2	Contact nozzle	-	0.8	M6	25	E-Cu	10	094-020692-00000	B2	0.47 €
2.2	Contact nozzle	-	0.9	M6	25	E-Cu	10	094-020693-00000	B2	0.47 €
2.2	Contact nozzle	-	1	M6	25	E-Cu	10	094-020694-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000	B2	0.47 €
2.3	Forced contact contact tip	-	1	M7	30	CuCrZr	1	094-025535-00000	B2	5.50 €
2.3	Forced contact contact tip	-	1.2	M7	30	CuCrZr	1	094-025536-00000	B2	5.50 €
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002	B2	4.80 €
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002	B2	4.80 €
3	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-013069-00002	B2	4.21 €
3	Contact tip holder	-	-	M6	33.5	CuCrZr	10	094-013070-00002	B2	4.21 €
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000	B2	6.15 €
4	Gas diffuser	-	-	-	-	Plastic	10	094-013094-00004	B2	3.52 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

Consumables set MT221G

Set Steel/CrNi M7 221 G / 301 W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, steel/CrNi, M7:
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 31.5 mm and 34.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M7
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013427-30000	B2	135.00 €

Set Alu M7 221 G / 301 W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, aluminium, M7
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 31.5 mm and 34.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M7
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013427-30001	B2	129.00 €

Set Steel/CrNi M6 221 G / 301 W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, steel/CrNi, M6
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 30.5 mm and 33.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M6
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013427-40000	B2	135.00 €

Set Alu M6 221G / 301W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, aluminium, M6
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 30.5 mm and 33.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M6
Usage	Aluminium

Designation	Item no.	PG	Price
			Per unit
Consumables set, aluminium	092-013427-40001	B2	129.00 €

MT301G

„Consumables MT301G“ on page 146



Equipment as delivered (steel wire Ø 1.0 mm):



- Gas nozzle Ø 15 mm; 71 mm
- Gas diffuser Ø 17 mm; 14 mm
- Contact tip M9 x 35 mm; Ø 1.0 mm and contact tip holder M9 x 34.5 mm
- Steel liner blue; Ø 1.5 mm x 3.8 mm

Duty cycle CO2	330 A / 60 %
Duty cycle M21	300 A / 60 %
Duty cycle M21 pulse	210 A / 60 %
Wire Ø	0.8 mm - 1.6 mm
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °
Approvals	CE sign

MT301G

- Gas-cooled MIG/MAG welding torch
- Fits all welding machines with a Euro torch connector






Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, gas-cooled	3.0		094-500055-00000	B1	309.00 €
	4.0	-	094-500055-00004	B1	336.00 €
	5.0		094-500055-00005	B1	363.00 €

MT301G U/DX /// MT301G U/D






- Gas-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, up/down, gas cooled, with X technology	3.0		094-500117-00200	B1	416.00 €
	4.0	-	094-500117-00204	B1	458.00 €
	5.0		094-500117-00205	B1	501.00 €
MIG/MAG function torch, up/down, gas cooled	3.0		094-500055-00200	B1	416.00 €
	4.0		094-500055-00204	B1	458.00 €
	5.0		094-500055-00205	B1	501.00 €

MT301G 2U/DX /// MT301G 2U/D






- Gas-cooled MIG/MAG function torch
 - **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, 2 up/down, gas cooled, with X technology	3.0	-	094-500117-00300	B1	416.00 €
	4.0		094-500117-00304	B1	458.00 €
	5.0		094-500117-00305	B1	501.00 €
MIG/MAG function torch, 2 up/down, gas cooled	3.0		094-500055-00300	B1	416.00 €
	4.0		094-500055-00304	B1	458.00 €
	5.0		094-500055-00305	B1	501.00 €

MT301G PC1X /// MT301G PC1



- Gas-cooled MIG/MAG function torch
 - Displaying and setting of welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, Powercontrol 1, gas cooled, with X technology	3.0	-	094-500117-00400	B1	480.00 €
	4.0		094-500117-00404	B1	522.00 €
	5.0		094-500117-00405	B1	565.00 €
MIG/MAG function torch, Powercontrol 1, gas cooled	3.0		094-500055-00400	B1	480.00 €
	4.0		094-500055-00404	B1	522.00 €
	5.0		094-500055-00405	B1	565.00 €




MT301G

„Consumables MT301G“ on page 146

MT301G PC2X /// MT301G PC2





- Gas-cooled MIG/MAG function torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, Powercontrol 2, gas cooled, with X technology	3.0		094-500117-00700	B1	480.00 €
	4.0	-	094-500117-00704	B1	522.00 €
	5.0		094-500117-00705	B1	565.00 €
MIG/MAG function torch, Powercontrol 2, gas cooled	3.0		094-500055-00700	B1	480.00 €
	4.0		094-500055-00704	B1	522.00 €
	5.0		094-500055-00705	B1	565.00 €

MT301CG






- Gas-cooled MIG/MAG welding torch with replaceable neck (torch neck rotatable through 360°)
- Fits all welding machines with a Euro torch connector
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Designation			Item no.	PG	Price
	m				
MIG/MAG welding torch, gas-cooled, replaceable neck	3.0		094-500055-03000	B1	363.00 €
	4.0	-	094-500055-03004	B1	389.00 €
	5.0		094-500055-03005	B1	416.00 €

MT301CG U/DX /// MT301CG U/D








- Gas-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, up/down, gas cooled, replaceable neck, with X technology	3.0		094-500117-03200	B1	469.00 €
	4.0	-	094-500117-03204	B1	512.00 €
	5.0		094-500117-03205	B1	554.00 €
MIG/MAG function torch, up/down, gas cooled, replaceable neck	3.0		094-500055-03200	B1	469.00 €
	4.0		094-500055-03204	B1	512.00 €
	5.0		094-500055-03205	B1	554.00 €

MT301CG 2U/DX /// MT301CG 2U/D








- Gas-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
 - **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, 2 up/down, gas cooled, replaceable neck, with X technology	3.0		094-500117-03300	B1	469.00 €
	4.0	-	094-500117-03304	B1	512.00 €
	5.0		094-500117-03305	B1	554.00 €
MIG/MAG function torch, 2 up/down, gas cooled, replaceable neck	3.0		094-500055-03300	B1	469.00 €
	4.0		094-500055-03304	B1	512.00 €
	5.0		094-500055-03305	B1	554.00 €

MT301CG PC1X /// MT301CG PC1



- Gas-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
 - Displaying and setting of welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, Powercontrol 1, gas cooled, replaceable neck, with X technology	3.0		094-500117-03400	B1	534.00 €
	4.0	-	094-500117-03404	B1	576.00 €
	5.0		094-500117-03405	B1	618.00 €
MIG/MAG function torch, Powercontrol 1, gas cooled, replaceable neck	3.0		094-500055-03400	B1	534.00 €
	4.0		094-500055-03404	B1	576.00 €
	5.0		094-500055-03405	B1	618.00 €




MT301G

„Consumables MT301G“ on page 146

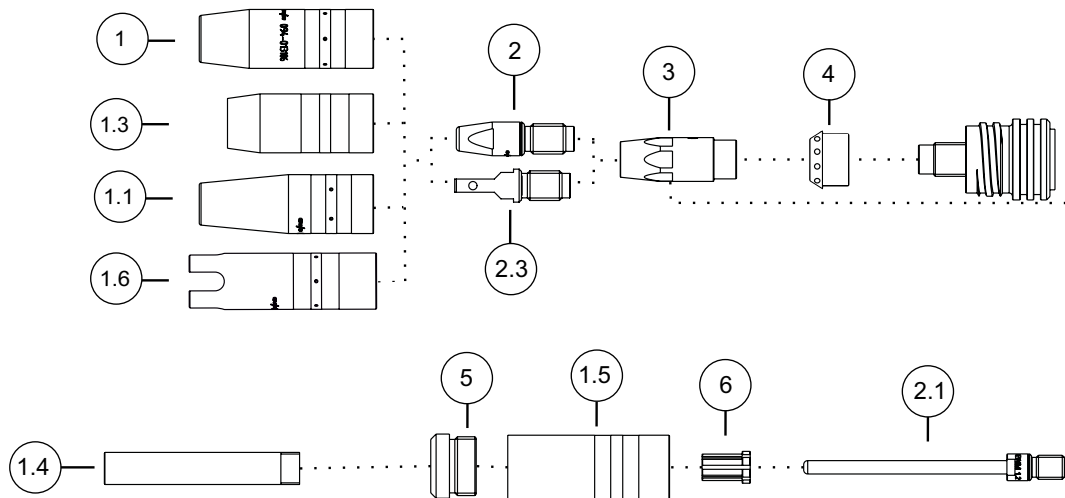
MT301CG PC2X /// MT301CG PC2



- Gas-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.

Designation			Item no.	PG	Price
					Per unit
MIG/MAG function torch, Powercontrol 2, gas cooled, replaceable neck, with X technology	m				
	3.0		094-500117-03700	B1	534.00 €
	4.0	-	094-500117-03704	B1	576.00 €
MIG/MAG function torch, Powercontrol 2, gas cooled, replaceable neck	3.0		094-500055-03700	B1	534.00 €
	4.0		094-500055-03704	B1	576.00 €
	5.0		094-500055-03705	B1	618.00 €

Consumables MT301G



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1	Gas nozzle, short	15	-	-	65	-	10	094-019821-00001	B2	7.42 €
1	Gas nozzle, short	18	-	-	65	-	10	094-019822-00001	B2	7.42 €
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001	B2	8.60 €
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001	B2	8.60 €
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001	B2	8.60 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001	B2	11.28 €
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000	B2	17.60 €
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	B2	6.50 €
1.4	Gas nozzle, narrow gap welding	-	-	-	76	-	10	094-022226-00000	B2	9.20 €
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000	B2	7.62 €
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000	B2	17.51 €
2	Contact nozzle	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2.35 €
2	Contact nozzle	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2.35 €
2	Contact nozzle	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2.35 €
2	Contact nozzle	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2.35 €
2	Contact nozzle	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2.35 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
2	Contact nozzle	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2.35 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1.81 €
2	Contact nozzle	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1.81 €
2	Contact nozzle	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1.81 €
2	Contact nozzle	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1.81 €
2	Contact nozzle	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1.81 €
2	Contact nozzle	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1.81 €
2	Contact nozzle	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1.28 €
2	Contact nozzle	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1.28 €
2	Contact nozzle	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1.28 €
2	Contact nozzle	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1.28 €
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	B2	8.20 €
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	B2	10.80 €
2.3	Forced contact contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.6	M9	35	CuCrZr	10	094-025533-00000	B2	5.80 €
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002	B2	5.77 €
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002	B2	5.77 €
3	Contact tip holder	-	-	M8	34.1	CuCrZr	10	094-013109-00002	B2	5.10 €
3	Contact tip holder	-	-	M8	37.1	CuCrZr	10	094-013110-00002	B2	5.10 €
4	Gas diffuser	-	-	-	-	Fibreg- lass- reinforced plastic	10	094-013096-00004	B2	3.85 €
5	Capillary tube	-	-	-	-	-	1	094-019625-00000	B2	21.95 €
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	B2	2.18 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

Consumables set MT301G

Set Steel/CrNi M9 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, steel/CrNi, M9
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.5 mm and 37.5 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M9
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013428-30000	B2	151.00 €

Set Alu M9 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, aluminium, M9
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.5 mm and 37.5 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M9
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013428-30001	B2	142.00 €

Set Steel/CrNi M8 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, steel/CrNi, M8
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.1 mm and 37.1 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M8
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013428-40000	B2	151.00 €

Set Alu M8 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, aluminium, M8
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.1 mm and 37.1 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M8
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013428-40001	B2	141.00 €

MT401G

„Consumables MT401G“ on page 152



Equipment as delivered (steel wire Ø 1.2 mm):



- Gas nozzle Ø 17 mm; 66 mm
- Gas diffuser Ø 20 mm; 21.5 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm and contact tip holder M9 x 35 mm
- Steel liner red; Ø 2 mm x 4.6 mm

Duty cycle CO2	450 A / 35 %
Duty cycle M21	400 A / 35 %
Duty cycle M21 pulse	260 A / 35 %
Wire Ø	0.8 mm - 2 mm
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °
Approvals	CE sign

MT401G






- Gas-cooled MIG/MAG welding torch
- Fits all welding machines with a Euro torch connector

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, gas-cooled	3.0		094-500057-00000	B1	341.00 €
	4.0	-	094-500057-00004	B1	384.00 €
	5.0		094-500057-00005	B1	426.00 €

MT401G U/DX /// MT401G U/D






- Gas-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, up/down, gas cooled, with X technology	3.0		094-500118-00200	B1	448.00 €
	4.0	-	094-500118-00204	B1	490.00 €
	5.0		094-500118-00205	B1	534.00 €
MIG/MAG function torch, up/down, gas cooled	3.0		094-500057-00200	B1	448.00 €
	4.0		094-500057-00204	B1	490.00 €
	5.0		094-500057-00205	B1	534.00 €

MT401G 2U/DX /// MT401G 2U/D





- Gas-cooled MIG/MAG function torch
 - **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, 2 up/down, gas cooled, with X technology	3.0	-	094-500118-00300	B1	448.00 €
	4.0		094-500118-00304	B1	490.00 €
	5.0		094-500118-00305	B1	534.00 €
MIG/MAG function torch, 2 up/down, gas cooled	3.0		094-500057-00300	B1	448.00 €
	4.0		094-500057-00304	B1	490.00 €
	5.0		094-500057-00305	B1	534.00 €

MT401G PC1X





- Gas-cooled MIG/MAG function torch
 - Displaying and setting of welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, Powercontrol 1, gas cooled, with X technology	3.0	-	094-500118-00400	B1	512.00 €
	4.0		094-500118-00404	B1	554.00 €
	5.0		094-500118-00405	B1	597.00 €

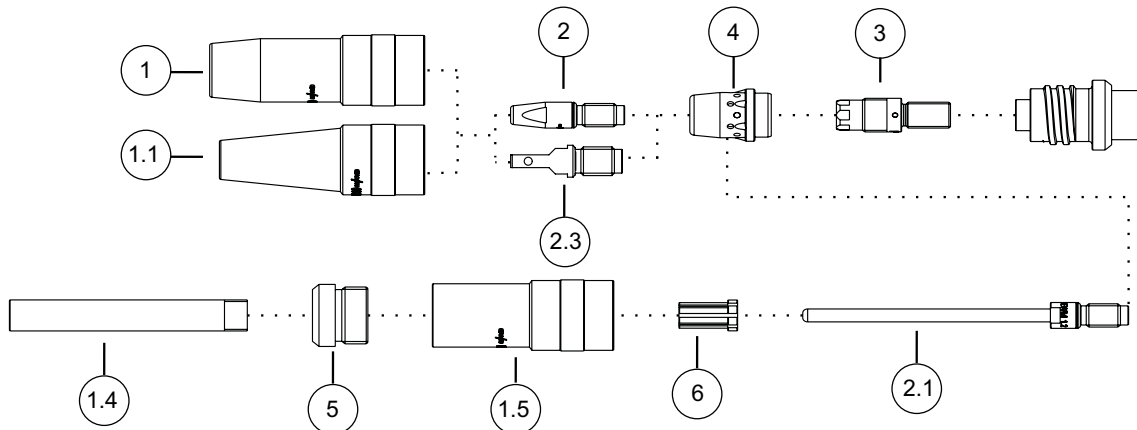
MT401G PC2X



- Gas-cooled MIG/MAG function torch
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, Powercontrol 2, gas cooled, with X technology	3.0	-	094-500118-00700	B1	512.00 €
	4.0		094-500118-00704	B1	554.00 €
	5.0		094-500118-00705	B1	597.00 €

Consumables MT401G



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001	B2	9.99 €
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001	B2	9.99 €
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001	B2	9.99 €
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001	B2	9.99 €
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001	B2	9.99 €
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001	B2	9.99 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000	B2	12.67 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	66	-	1	094-022227-00000	B2	11.07 €
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	B2	6.50 €
1.4	Gas nozzle, narrow gap welding	-	-	-	76	-	10	094-022226-00000	B2	9.20 €
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000	B2	10.15 €
2	Contact nozzle	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2.35 €
2	Contact nozzle	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2.35 €
2	Contact nozzle	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2.35 €
2	Contact nozzle	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2.35 €
2	Contact nozzle	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2.35 €
2	Contact nozzle	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2.35 €
2	Contact nozzle	-	2	M9	35	CuCrZr	10	094-013534-00001	B3	2.74 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	2	M8	30	E-Cu	10	094-016920-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1.81 €
2	Contact nozzle	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1.81 €
2	Contact nozzle	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1.81 €
2	Contact nozzle	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1.81 €
2	Contact nozzle	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1.81 €
2	Contact nozzle	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1.81 €
2	Contact nozzle	-	2	M8	30	CuCrZr	10	094-014193-00000	B3	1.81 €
2	Contact nozzle	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1.28 €
2	Contact nozzle	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1.28 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
2	Contact nozzle	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1.28 €
2	Contact nozzle	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1.28 €
2	Contact nozzle	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1.28 €
2	Contact nozzle	-	2	M8	30	E-Cu	10	094-016114-00000	B3	1.28 €
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	B2	8.20 €
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	B2	10.80 €
2.3	Forced contact contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.6	M9	35	CuCrZr	10	094-025533-00000	B2	5.80 €
3	Contact tip holder	-	-	M8	34.5	CuCrZr	10	094-015489-00003	B2	5.20 €
3	Contact tip holder	-	-	M8	37.5	CuCrZr	10	094-016018-00003	B2	5.20 €
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003	B2	5.95 €
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003	B2	5.95 €
4	Gas diffuser	20.2	-	-	25	Plastic	10	094-013111-00002	B2	3.45 €
5	Capillary tube	-	-	-	-	-	1	094-019625-00000	B2	21.95 €
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	B2	2.18 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

Consumables set MT401G

Set Steel/CrNi M9 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, steel/CrNi, M9
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 35 mm and 38 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M9
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013429-30000	B2	164.00 €

Set Alu M9 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, aluminium, M9
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 35 mm and 38 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M9
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013429-30001	B2	156.00 €

Set Steel/CrNi M8 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, steel/CrNi, M8
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 34.5 mm and 37.5 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M8
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013429-40000	B2	164.00 €

Set Alu M8 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, aluminium, M8
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 35 mm and 38 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M8
Usage	Aluminium

Designation	Item no.	PG	Price
			Per unit
Consumables set, aluminium	092-013429-40001	B2	156.00 €

MT301W

„Consumables MT301W“ on page 160



Equipment as supplied (steel wire 1.2 mm):



- Gas nozzle Ø 13 mm; 66 mm
- Gas diffuser Ø 14.5 mm; 12.5 mm
- Contact tip M7 x 30 mm; Ø 1.2 mm and contact tip holder M7 x 31.5 mm
- Steel liner red; Ø 2 mm x 4.6 mm

Duty cycle CO2	330 A / 100 %
Duty cycle M21	290 A / 100 %
Duty cycle M21 pulse	250 A / 100 %
Wire Ø	0.8 mm - 1.2 mm
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °
Approvals	CE sign

MT301W






- Water-cooled MIG/MAG welding torch
- Fits all welding machines with a Euro torch connector

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG	3.0		094-500058-00000	B1	373.00 €
welding torch,	4.0	-	094-500058-00004	B1	400.00 €
water-cooled	5.0		094-500058-00005	B1	426.00 €

MT301W U/DX /// MT301W U/D






- Water-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, up/down,	3.0		094-500119-00200	B1	480.00 €
water cooled, with X technology	4.0	-	094-500119-00204	B1	507.00 €
	5.0		094-500119-00205	B1	534.00 €
MIG/MAG function torch, up/down,	3.0		094-500058-00200	B1	480.00 €
water cooled	4.0		094-500058-00204	B1	507.00 €
	5.0		094-500058-00205	B1	534.00 €

MT301W 2U/DX /// MT301W 2U/D






- Water-cooled MIG/MAG function torch
 - **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, 2 up/down, water cooled, with X technology	3.0		094-500119-00300	B1	480.00 €
	4.0	-	094-500119-00304	B1	507.00 €
	5.0		094-500119-00305	B1	534.00 €
MIG/MAG function torch, 2 up/down, water cooled	3.0		094-500058-00300	B1	480.00 €
	4.0		094-500058-00304	B1	507.00 €
	5.0		094-500058-00305	B1	534.00 €

MT301W PC1X /// MT301W PC1



- Water-cooled MIG/MAG function torch
 - Displaying and setting of welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, Powercontrol 1, water cooled, with X technology	3.0		094-500119-00400	B1	544.00 €
	4.0	-	094-500119-00404	B1	571.00 €
	5.0		094-500119-00405	B1	597.00 €
MIG/MAG function torch, Powercontrol 1, water cooled	3.0		094-500058-00400	B1	544.00 €
	4.0		094-500058-00404	B1	571.00 €
	5.0		094-500058-00405	B1	597.00 €




MT301W

„Consumables MT301W“ on page 160

MT301W PC2X /// MT301W PC2





- Water-cooled MIG/MAG function torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, Powercontrol 2, water cooled, X technology	3.0	-	094-500119-00700	B1	544.00 €
	4.0		094-500119-00704	B1	571.00 €
	5.0		094-500119-00705	B1	597.00 €
MIG/MAG function torch, Powercontrol 2, water cooled	3.0		094-500058-00700	B1	544.00 €
	4.0		094-500058-00704	B1	571.00 €
	5.0		094-500058-00705	B1	597.00 €

MT301CW






- Water-cooled MIG/MAG welding torch with replaceable neck (torch neck rotatable through 360°)
- Fits all welding machines with a Euro torch connector
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG welding torch, water-cooled, replaceable neck	3.0	-	094-500058-03000	B1	453.00 €
	4.0		094-500058-03004	B1	480.00 €
	5.0		094-500058-03005	B1	507.00 €

MT301CW U/DX /// MT301CW U/D






- Water-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, up/down, water cooled, replaceable neck, with X technology	3.0	-	094-500119-03200	B1	559.00 €
	4.0		094-500119-03204	B1	586.00 €
	5.0		094-500119-03205	B1	613.00 €
MIG/MAG function torch, up/down, water cooled, replaceable neck	3.0		094-500058-03200	B1	559.00 €
	4.0		094-500058-03204	B1	586.00 €
	5.0		094-500058-03205	B1	613.00 €

MT301CW 2U/DX /// MT301CW 2U/D






- Water-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, 2 up/down, water cooled, replaceable neck, with X technology	3.0		094-500119-03300	B1	559.00 €
	4.0	-	094-500119-03304	B1	586.00 €
	5.0		094-500119-03305	B1	613.00 €
MIG/MAG function torch, 2 up/down, water cooled, replaceable neck	3.0		094-500058-03300	B1	559.00 €
	4.0		094-500058-03304	B1	586.00 €
	5.0		094-500058-03305	B1	613.00 €

MT301CW PC1X /// MT301CW PC1



- Water-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- Displaying and setting of welding current and wire feed speed
- Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, Powercontrol 1, water cooled, replaceable neck, with X technology	3.0		094-500119-03400	B1	623.00 €
	4.0	-	094-500119-03404	B1	650.00 €
	5.0		094-500119-03405	B1	677.00 €
MIG/MAG function torch, Powercontrol 1, water cooled, replaceable neck	3.0		094-500058-03400	B1	623.00 €
	4.0		094-500058-03404	B1	650.00 €
	5.0		094-500058-03405	B1	677.00 €




MT301W

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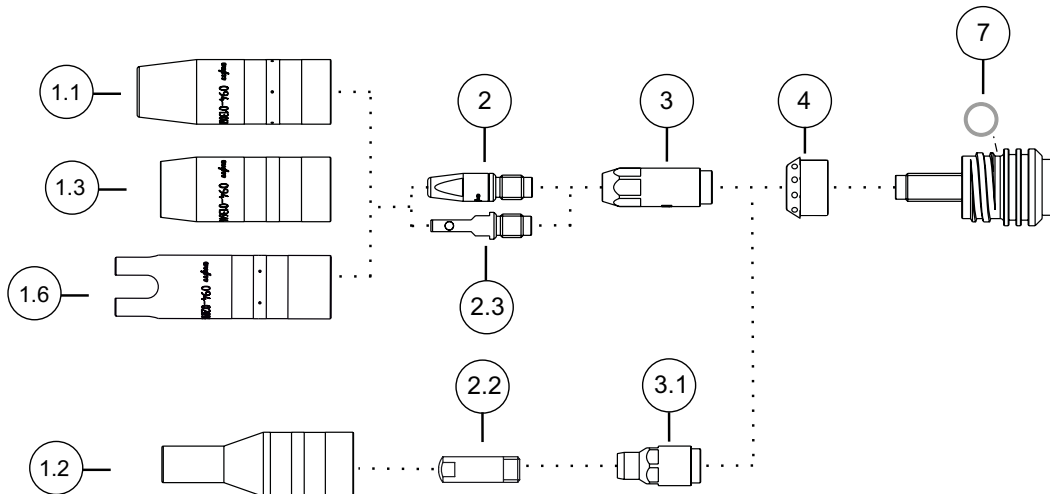
MT301CW PC2X /// MT301CW PC2



- Water-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, Powercontrol 2, water cooled, replaceable neck, with X technology	3.0		094-500119-03700	B1	623.00 €
	4.0	-	094-500119-03704	B1	650.00 €
	5.0		094-500119-03705	B1	677.00 €
MIG/MAG function torch, Powercontrol 2, water cooled, replaceable neck	3.0		094-500058-03700	B1	623.00 €
	4.0		094-500058-03704	B1	650.00 €
	5.0		094-500058-03705	B1	677.00 €

Consumables MT301W



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.1	Gas nozzle	11	-	-	66	-	10	094-013062-00001	B2	7.03 €
1.1	Gas nozzle	13	-	-	66	-	10	094-013061-00001	B2	7.03 €
1.1	Gas nozzle	16	-	-	66	-	10	094-013063-00001	B2	7.03 €
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	10	094-020136-00000	B2	20.10 €
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000	B2	14.40 €
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000	B2	15.45 €
2	Contact nozzle	-	0.8	M7	30	CuCrZr	10	094-013535-00001	B3	1.87 €
2	Contact nozzle	-	0.9	M7	30	CuCrZr	10	094-013536-00001	B3	1.83 €
2	Contact nozzle	-	1	M7	30	CuCrZr	10	094-013537-00001	B3	1.51 €
2	Contact nozzle	-	1.2	M7	30	CuCrZr	10	094-013538-00001	B3	1.92 €
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00001	B3	1.75 €
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00001	B3	1.75 €
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00001	B3	1.78 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00001	B3	2.10 €
2	Contact tip, aluminium welding	-	0.8	M6	28	E-Cu	10	094-016105-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	0.9	M6	28	E-Cu	10	094-016106-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	1	M6	28	E-Cu	10	094-016107-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	1.2	M6	28	E-Cu	10	094-016108-00000	B3	0.96 €
2	Contact nozzle	-	0.8	M6	28	CuCrZr	10	094-013071-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M6	28	CuCrZr	10	094-013122-00000	B3	1.28 €
2	Contact nozzle	-	1	M6	28	CuCrZr	10	094-013072-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M6	28	CuCrZr	10	094-014317-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M6	28	E-Cu	10	094-016101-00000	B3	0.96 €
2	Contact nozzle	-	0.9	M6	28	E-Cu	10	094-016102-00000	B3	0.96 €
2	Contact nozzle	-	1	M6	28	E-Cu	10	094-016103-00000	B3	0.96 €
2	Contact nozzle	-	1.2	M6	28	E-Cu	10	094-016104-00000	B3	0.96 €
2.2	Contact nozzle	-	0.6	M6	25	CuCrZr	10	094-005403-00000	E6	2.12 €
2.2	Contact nozzle	-	0.8	M6	25	CuCrZr	10	094-020689-00000	B2	0.67 €
2.2	Contact nozzle	-	1	M6	25	CuCrZr	10	094-020690-00000	B2	0.67 €
2.2	Contact nozzle	-	0.6	M6	25	E-Cu	10	094-020691-00000	B2	0.47 €
2.2	Contact nozzle	-	0.8	M6	25	E-Cu	10	094-020692-00000	B2	0.47 €
2.2	Contact nozzle	-	0.9	M6	25	E-Cu	10	094-020693-00000	B2	0.47 €
2.2	Contact nozzle	-	1	M6	25	E-Cu	10	094-020694-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000	B2	0.47 €
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000	B2	0.47 €
2.3	Forced contact contact tip	-	1	M7	30	CuCrZr	1	094-025535-00000	B2	5.50 €
2.3	Forced contact contact tip	-	1.2	M7	30	CuCrZr	1	094-025536-00000	B2	5.50 €
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002	B2	4.80 €
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002	B2	4.80 €
3	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-013069-00002	B2	4.21 €
3	Contact tip holder	-	-	M6	33.5	CuCrZr	10	094-013070-00002	B2	4.21 €
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000	B2	6.15 €
4	Gas diffuser	-	-	-	-	Plastic	10	094-013094-00004	B2	3.52 €
7	O-Ring for gas nozzle holder	-	-	-	-	-	10	094-025320-00000	B2	0.30 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

Consumables set MT301W

Set Steel/CrNi M7 221 G / 301 W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, steel/CrNi, M7:
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 31.5 mm and 34.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M7
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013427-30000	B2	135.00 €

Set Alu M7 221 G / 301 W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, aluminium, M7
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 31.5 mm and 34.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M7
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013427-30001	B2	129.00 €

Set Steel/CrNi M6 221 G / 301 W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, steel/CrNi, M6
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 30.5 mm and 33.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M6
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013427-40000	B2	135.00 €

Set Alu M6 221G / 301W



- Replacement parts set for PM 221 G/MT221G and PM 301 W/MT301W welding torches
- Consumables set, aluminium, M6
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 30.5 mm and 33.5 mm
- 1 x gas nozzle 11 mm, 13 mm and 16 mm
- 1 x gas diffuser 11.1
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M6
Usage	Aluminium

Designation	Item no.	PG	Price
			Per unit
Consumables set, aluminium	092-013427-40001	B2	129.00 €

MT451W

„Consumables MT451W“ on page 174



MT451W

Equipment as supplied (steel wire Ø 1.2 mm):

- Gas nozzle Ø 15 mm; 71 mm
- Gas diffuser Ø 17 mm; 14 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm and contact tip holder M9 x 34.5 mm
- Steel liner red; Ø 2 mm x 4.6 mm



Duty cycle CO2	500 A / 100 %
Duty cycle M21	450 A / 100 %
Duty cycle M21 pulse	350 A / 100 %
Wire Ø	0.8 mm - 1.6 mm
Connection	Euro torch connector
Thread, contact tip	M9
Approvals	CE sign

MT451W

- Water-cooled MIG/MAG welding torch
- Fits all welding machines with a Euro torch connector

Bend angle torch neck	45°
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Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, water-cooled	3.0		094-500059-00000	B1	389.00 €
	4.0	-	094-500059-00004	B1	416.00 €
	5.0		094-500059-00005	B1	443.00 €

MT451W U/DX /// MT451W U/D



- Water-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck	45°
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Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, up/down, water cooled, with X technology	3.0		094-500120-00200	B1	495.00 €
	4.0	-	094-500120-00204	B1	522.00 €
	5.0		094-500120-00205	B1	549.00 €
MIG/MAG function torch, up/down, water cooled	3.0		094-500059-00200	B1	495.00 €
	4.0		094-500059-00204	B1	522.00 €
	5.0		094-500059-00205	B1	549.00 €

MT451W 2U/DX /// MT451W 2U/D



- Water-cooled MIG/MAG function torch
 - **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 45°




Designation			Item no.	PG	Price
					Per unit
MIG/MAG function torch, 2 up/down, water cooled, with X technology	3.0		094-500120-00300	B1	495.00 €
	4.0	-	094-500120-00304	B1	522.00 €
	5.0		094-500120-00305	B1	549.00 €
MIG/MAG function torch, 2 up/down, water cooled	3.0		094-500059-00300	B1	495.00 €
	4.0		094-500059-00304	B1	522.00 €
	5.0		094-500059-00305	B1	549.00 €

MT451W PC1X /// MT451W PC1



- Water-cooled MIG/MAG function torch
 - Displaying and setting of welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 45°

Designation			Item no.	PG	Price
					Per unit
MIG/MAG function torch, Powercontrol 1, water cooled, with X technology	3.0		094-500120-00400	B1	559.00 €
	4.0	-	094-500120-00404	B1	586.00 €
	5.0		094-500120-00405	B1	613.00 €
MIG/MAG function torch, Powercontrol 1, water cooled	3.0		094-500059-00400	B1	559.00 €
	4.0		094-500059-00404	B1	586.00 €
	5.0		094-500059-00405	B1	613.00 €

MT451W




„Consumables MT451W“ on page 174

MT451W PC2X /// MT451W PC2



- Water-cooled MIG/MAG function torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 45 °



Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, Powercontrol 2, water cooled, X technology	3.0		094-500120-00700	B1	559.00 €
	4.0	-	094-500120-00704	B1	586.00 €
	5.0		094-500120-00705	B1	613.00 €
MIG/MAG function torch, Powercontrol 2, water cooled	3.0		094-500059-00700	B1	559.00 €
	4.0		094-500059-00704	B1	586.00 €
	5.0		094-500059-00705	B1	613.00 €

MT451CW



- Water-cooled MIG/MAG welding torch with replaceable neck (torch neck rotatable through 360°)
- Fits all welding machines with a Euro torch connector
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Bend angle torch neck 45 °




Designation			Item no.	PG	Price
	m				
MIG/MAG welding torch, water-cooled, replaceable neck	3.0		094-500059-03000	B1	495.00 €
	4.0	-	094-500059-03004	B1	522.00 €
	5.0		094-500059-03005	B1	549.00 €

MT451CW U/DX /// MT451CW U/D



- Water-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the "Push/pull welding torches" chapter.

Bend angle torch neck 45°




Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, up/down, water cooled, replaceable neck, with X technology	3.0		094-500120-03200	B1	603.00 €
	4.0	-	094-500120-03204	B1	629.00 €
	5.0		094-500120-03205	B1	656.00 €
MIG/MAG function torch, up/down, water cooled, replaceable neck	3.0		094-500059-03200	B1	603.00 €
	4.0		094-500059-03204	B1	629.00 €
	5.0		094-500059-03205	B1	656.00 €

MT451CW 2U/DX /// MT451CW 2U/D



- Water-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the "Push/pull welding torches" chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the "Push/pull welding torches" chapter.

Bend angle torch neck 45°

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, 2 up/down, water cooled, replaceable neck, with X technology	3.0		094-500120-03300	B1	603.00 €
	4.0	-	094-500120-03304	B1	629.00 €
	5.0		094-500120-03305	B1	656.00 €
MIG/MAG function torch, 2 up/down, water cooled, replaceable neck	3.0		094-500059-03300	B1	603.00 €
	4.0		094-500059-03304	B1	629.00 €
	5.0		094-500059-03305	B1	656.00 €

MT451W





„Consumables MT451W“ on page 174

MT451CW PC1X /// MT451CW PC1



- Water-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
 - Displaying and setting of welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Bend angle torch neck 45 °





Designation			Item no.	PG	Price	
					Per unit	
MIG/MAG function torch, Powercontrol 1, water cooled, replaceable neck, with X technology		-	3.0	094-500120-03400	B1	666.00 €
			4.0	094-500120-03404	B1	693.00 €
			5.0	094-500120-03405	B1	720.00 €
MIG/MAG function torch, Powercontrol 1, water cooled, replaceable neck		-	3.0	094-500059-03400	B1	666.00 €
			4.0	094-500059-03404	B1	693.00 €
			5.0	094-500059-03405	B1	720.00 €

MT451CW PC2X /// MT451CW PC2



- Water-cooled MIG/MAG function torch with replaceable neck (torch neck rotatable through 360°)
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology
- You can find suitable torch necks with various bend angles in the “Push/pull welding torches” chapter.
- Worn o-rings have a negative impact on the welding torch cooling. Insufficient cooling causes damage to the welding torch. Check and if necessary grease or replace all o-rings when converting the welding torch! Please note spare parts list in the “Push/pull welding torches” chapter.

Bend angle torch neck 45 °



Designation			Item no.	PG	Price	
					Per unit	
MIG/MAG function torch, Powercontrol 2, water cooled, replaceable neck, with X technology		-	3.0	094-500120-03700	B1	666.00 €
			4.0	094-500120-03704	B1	693.00 €
			5.0	094-500120-03705	B1	720.00 €
MIG/MAG function torch, Powercontrol 2, water cooled, replaceable neck		-	3.0	094-500059-03700	B1	666.00 €
			4.0	094-500059-03704	B1	693.00 €
			5.0	094-500059-03705	B1	720.00 €

MT451WS



- Water-cooled MIG/MAG welding torch
- Torch neck 35 mm shorter compared to standard torch
- Fits all welding machines with a Euro torch connector

Bend angle torch neck 45°




Designation			Item no.	PG	Price
	m				
MIG/MAG welding torch, water-cooled, short torch neck	3.0		094-500059-30000	B1	389.00 €
	4.0	-	094-500059-30004	B1	416.00 €
	5.0		094-500059-30005	B1	443.00 €

MT451WS U/DX /// MT451WS U/D



- Water-cooled MIG/MAG function torch
- Torch neck 35 mm shorter compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 45°

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, up/down, water cooled, short torch neck, with X Technology	3.0		094-500120-30200	B1	495.00 €
	4.0	-	094-500120-30204	B1	522.00 €
	5.0		094-500120-30205	B1	549.00 €
MIG/MAG function torch, up/down, water cooled, short torch neck	3.0		094-500059-30200	B1	495.00 €
	4.0		094-500059-30204	B1	522.00 €
	5.0		094-500059-30205	B1	549.00 €

MT451W




„Consumables MT451W“ on page 174

MT451WS 2U/DX /// MT451WS 2U/D



- Water-cooled MIG/MAG function torch
- Torch neck 35 mm shorter compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 45°




Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, 2 up/down, water cooled, short torch neck, with X Technology	3.0		094-500120-30300	B1	495.00 €
	4.0	-	094-500120-30304	B1	522.00 €
	5.0		094-500120-30305	B1	549.00 €
MIG/MAG function torch, 2 up/down, water cooled, short torch neck	3.0		094-500059-30300	B1	495.00 €
	4.0		094-500059-30304	B1	522.00 €
	5.0		094-500059-30305	B1	549.00 €

MT451WS PC1X /// MT451W PC1



- Water-cooled MIG/MAG function torch
- Torch neck 35 mm shorter compared to standard torch
- Displaying and setting of welding current and wire feed speed
- Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 45°




Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, Powercontrol 1, water cooled, short torch neck, with X Technology	3.0		094-500120-30400	B1	559.00 €
	4.0	-	094-500120-30404	B1	586.00 €
	5.0		094-500120-30405	B1	613.00 €
MIG/MAG function torch, Powercontrol 1, water cooled, short torch neck	3.0		094-500059-30400	B1	559.00 €
	4.0		094-500059-30404	B1	586.00 €
	5.0		094-500059-30405	B1	613.00 €

MT451WS PC2X /// MT451WS PC2



- Water-cooled MIG/MAG function torch
- Torch neck 35 mm shorter compared to standard torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 45°



Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, Powercontrol 2, short torch neck, water cooled, with X Technology	3.0		094-500120-30700	B1	559.00 €
	4.0	-	094-500120-30704	B1	586.00 €
	5.0		094-500120-30705	B1	613.00 €
MIG/MAG function torch, Powercontrol 2, water cooled, short torch neck	3.0		094-500059-30700	B1	559.00 €
	4.0		094-500059-30704	B1	586.00 €
	5.0		094-500059-30705	B1	613.00 €

MT451WL



- Water-cooled MIG/MAG welding torch
- Torch neck 46 mm longer compared to standard torch
- Fits all welding machines with a Euro torch connector

Bend angle torch neck 35°

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, water-cooled, long torch neck	3.0		094-500059-20000	B1	416.00 €
	4.0	-	094-500059-20004	B1	443.00 €
	5.0		094-500059-20005	B1	469.00 €

MT451W




„Consumables MT451W“ on page 174

MT451WL U/DX /// MT451WL U/D



- Water-cooled MIG/MAG function torch
- Torch neck 46 mm longer compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 35°




Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, up/down, water cooled, long torch neck, with X Technology	3.0		094-500120-20200	B1	522.00 €
	4.0	-	094-500120-20204	B1	549.00 €
	5.0		094-500120-20205	B1	576.00 €
MIG/MAG function torch, up/down, water cooled, long torch neck	3.0		094-500059-20200	B1	522.00 €
	4.0		094-500059-20204	B1	549.00 €
	5.0		094-500059-20205	B1	576.00 €

MT451WL 2U/DX /// MT451WL 2U/D



- Water-cooled MIG/MAG function torch
- Torch neck 46 mm longer compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 35°




Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, 2 up/down, water cooled, long torch neck, with X Technology	3.0		094-500120-20300	B1	522.00 €
	4.0	-	094-500120-20304	B1	549.00 €
	5.0		094-500120-20305	B1	576.00 €
MIG/MAG function torch, 2 up/down, water cooled, long torch neck	3.0		094-500059-20300	B1	522.00 €
	4.0		094-500059-20304	B1	549.00 €
	5.0		094-500059-20305	B1	576.00 €

MT451WL PC1X /// MT451WL PC1



- Water-cooled MIG/MAG function torch
- Torch neck 46 mm longer compared to standard torch
 - Displaying and setting of welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 35°




Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, Powercontrol 1, water cooled, long torch neck, with X Technology	3.0		094-500120-20400	B1	586.00 €
	4.0	-	094-500120-20404	B1	613.00 €
	5.0		094-500120-20405	B1	640.00 €
MIG/MAG function torch, Powercontrol 1, water cooled, long torch neck	3.0		094-500059-20400	B1	586.00 €
	4.0		094-500059-20404	B1	613.00 €
	5.0		094-500059-20405	B1	640.00 €

MT451WL PC2X /// MT451WL PC2

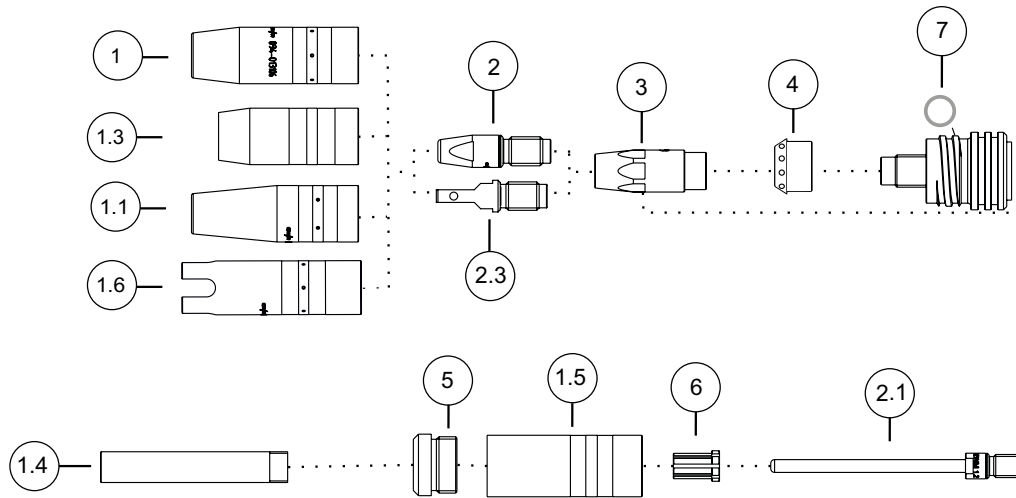


- Water-cooled MIG/MAG function torch
- Torch neck 46 mm longer compared to standard torch
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 35°

Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, Powercontrol 2, water cooled, long torch neck, with X Technology	3.0		094-500120-20700	B1	586.00 €
	4.0	-	094-500120-20704	B1	613.00 €
	5.0		094-500120-20705	B1	640.00 €
MIG/MAG function torch, Powercontrol 2, water cooled, long torch neck	3.0		094-500059-20700	B1	586.00 €
	4.0		094-500059-20704	B1	613.00 €
	5.0		094-500059-20705	B1	640.00 €

Consumables MT451W



Item	Designation	Nozzle Ø	Wire Ø	Thread	Length	Material	PU	Item no.	PG	Price
		mm	mm		mm					
1	Gas nozzle, short	15	-	-	65	-	10	094-019821-00001	B2	7.42 €
1	Gas nozzle, short	18	-	-	65	-	10	094-019822-00001	B2	7.42 €
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001	B2	8.60 €
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001	B2	8.60 €
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001	B2	8.60 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001	B2	11.28 €
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000	B2	17.60 €
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	B2	6.50 €
1.4	Gas nozzle, narrow gap welding	-	-	-	76	-	10	094-022226-00000	B2	9.20 €
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000	B2	7.62 €
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000	B2	17.51 €
2	Contact nozzle	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2.35 €
2	Contact nozzle	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2.35 €
2	Contact nozzle	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2.35 €
2	Contact nozzle	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2.35 €
2	Contact nozzle	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2.35 €
2	Contact nozzle	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2.35 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1.81 €
2	Contact nozzle	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1.81 €
2	Contact nozzle	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1.81 €
2	Contact nozzle	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1.81 €
2	Contact nozzle	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1.81 €
2	Contact nozzle	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1.81 €
2	Contact nozzle	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1.28 €
2	Contact nozzle	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1.28 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
2	Contact nozzle	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1.28 €
2	Contact nozzle	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1.28 €
2	Contact nozzle	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1.28 €
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	B2	8.20 €
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	B2	10.80 €
2.3	Forced contact contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.6	M9	35	CuCrZr	10	094-025533-00000	B2	5.80 €
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002	B2	5.77 €
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002	B2	5.77 €
3	Contact tip holder	-	-	M8	34.1	CuCrZr	10	094-013109-00002	B2	5.10 €
3	Contact tip holder	-	-	M8	37.1	CuCrZr	10	094-013110-00002	B2	5.10 €
4	Gas diffuser	-	-	-	-	Fibreg- lass- reinforced plastic	10	094-013096-00004	B2	3.85 €
5	Capillary tube	-	-	-	-	-	1	094-019625-00000	B2	21.95 €
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	B2	2.18 €
7	O-Ring for gas nozzle holder	-	-	-	-	-	10	094-025089-00000	B2	0.36 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

Consumables set MT451W

Set Steel/CrNi M9 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, steel/CrNi, M9
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.5 mm and 37.5 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M9
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013428-30000	B2	151.00 €

Set Alu M9 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, aluminium, M9
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.5 mm and 37.5 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M9
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013428-30001	B2	142.00 €

Set Steel/CrNi M8 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, steel/CrNi, M8
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.1 mm and 37.1 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M8
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013428-40000	B2	151.00 €

Set Alu M8 301 G / 451 W



- Replacement parts set for PM 301 G/MT301G and PM 451 W/MT451W welding torches
- Consumables set, aluminium, M8
- 5 x contact tip 0.8 mm, 1.0 mm and 1.2 mm
- 2 x contact tip holder 34.1 mm and 37.1 mm
- 1 x gas nozzle 13 mm, 15 mm and 18 mm
- 1 x gas diffuser 13.1 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M8
Usage	Aluminium

Designation	Item no.	PG	Price
			Per unit
Consumables set, aluminium	092-013428-40001	B2	141.00 €

MT551W

„Consumables MT551W“ on page 186



Equipment as supplied (steel wire Ø 1.2 mm):

- Gas nozzle Ø 17 mm; 66 mm
- Gas diffuser Ø 20 mm; 21.5 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm and contact tip holder M9 x 35 mm
- Steel liner red; Ø 2 mm x 4.6 mm



Duty cycle CO2	650 A / 100 %
Duty cycle M21	550 A / 100 %
Duty cycle M21 pulse	500 A / 100 %
Wire Ø	0.8 mm - 2 mm
Connection	Euro torch connector
Thread, contact tip	M9
Approvals	CE sign

MT551W

- Water-cooled MIG/MAG welding torch
- Fits all welding machines with a Euro torch connector

Bend angle torch neck	45°
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Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, water-cooled	3.0		094-500060-00000	B1	410.00 €
	4.0	-	094-500060-00004	B1	437.00 €
	5.0		094-500060-00005	B1	464.00 €

MT551W U/DX /// MT551W U/D



- Water-cooled MIG/MAG function torch
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck	45°
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Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, up/down, water cooled, with X technology	3.0		094-500121-00200	B1	517.00 €
	4.0	-	094-500121-00204	B1	544.00 €
	5.0		094-500121-00205	B1	571.00 €
MIG/MAG function torch, up/down, water cooled	3.0		094-500060-00200	B1	517.00 €
	4.0		094-500060-00204	B1	544.00 €
	5.0		094-500060-00205	B1	571.00 €

MT551W 2U/DX /// MT551W 2U/D



- Water-cooled MIG/MAG function torch
 - **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 45°



Designation			Item no.	PG	Price
					Per unit
MIG/MAG function torch, 2 up/down, water cooled, with X technology		3.0	094-500121-00300	B1	517.00 €
		4.0	094-500121-00304	B1	544.00 €
		5.0	094-500121-00305	B1	571.00 €
MIG/MAG function torch, 2 up/down, water cooled		3.0	094-500060-00300	B1	517.00 €
		4.0	094-500060-00304	B1	544.00 €
		5.0	094-500060-00305	B1	571.00 €

MT551W PC1X /// MT551W PC1



- Water-cooled MIG/MAG function torch
 - Displaying and setting of welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 45°

Designation			Item no.	PG	Price
					Per unit
MIG/MAG function torch, Powercontrol 1, water cooled, with X technology		3.0	094-500121-00400	B1	581.00 €
		4.0	094-500121-00404	B1	608.00 €
		5.0	094-500121-00405	B1	634.00 €
MIG/MAG function torch, Powercontrol 1, water cooled		3.0	094-500060-00400	B1	581.00 €
		4.0	094-500060-00404	B1	608.00 €
		5.0	094-500060-00405	B1	634.00 €

MIG/MAG welding torches - Water-cooled MT welding torches

MT551W




„Consumables MT551W“ on page 186

MT551W PC2X /// MT551W PC2



- Water-cooled MIG/MAG function torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible

Bend angle torch neck 45°



Designation			Item no.	PG	Price
					Per unit
	m				
MIG/MAG function torch, Powercontrol 2, water cooled, X technology	3.0		094-500121-00700	B1	581.00 €
	4.0	-	094-500121-00704	B1	608.00 €
	5.0		094-500121-00705	B1	634.00 €
MIG/MAG function torch, Powercontrol 2, water cooled	3.0		094-500060-00700	B1	581.00 €
	4.0		094-500060-00704	B1	608.00 €
	5.0		094-500060-00705	B1	634.00 €

MT551WS



- Water-cooled MIG/MAG welding torch
- Torch neck 23 mm shorter compared to standard torch
- Fits all welding machines with a Euro torch connector

Bend angle torch neck 36°




Designation			Item no.	PG	Price
					Per unit
	m				
MIG/MAG welding torch, water-cooled, short torch neck	3.0		094-500060-30000	B1	410.00 €
	4.0	-	094-500060-30004	B1	437.00 €
	5.0		094-500060-30005	B1	464.00 €

MT551WS U/DX /// MT551WS U/D



- Water-cooled MIG/MAG function torch
- Torch neck 23 mm shorter compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 36°




Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, up/down, water cooled, short torch neck, with X Technology	3.0		094-500121-30200	B1	517.00 €
	4.0	-	094-500121-30204	B1	544.00 €
	5.0		094-500121-30205	B1	571.00 €
MIG/MAG function torch, up/down, water cooled, short torch neck	3.0		094-500060-30200	B1	517.00 €
	4.0		094-500060-30204	B1	544.00 €
	5.0		094-500060-30205	B1	571.00 €

MT551WS 2U/DX /// MT551WS 2U/D



- Water-cooled MIG/MAG function torch
- Torch neck 23 mm shorter compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 36°

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, 2 up/down, water cooled, short torch neck, with X Technology	3.0		094-500121-30300	B1	517.00 €
	4.0	-	094-500121-30304	B1	544.00 €
	5.0		094-500121-30305	B1	571.00 €
MIG/MAG function torch, 2 up/down, water cooled, short torch neck	3.0		094-500060-30300	B1	517.00 €
	4.0		094-500060-30304	B1	544.00 €
	5.0		094-500060-30305	B1	571.00 €

MT551W




„Consumables MT551W“ on page 186

MT551WS PC1X /// MT551WS PC1



- Water-cooled MIG/MAG function torch
- Torch neck 23 mm shorter compared to standard torch
 - Displaying and setting of welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 36 °




Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, Powercontrol 1, water cooled, short torch neck, with X Technology	3.0		094-500121-30400	B1	581.00 €
	4.0	-	094-500121-30404	B1	608.00 €
	5.0		094-500121-30405	B1	634.00 €
MIG/MAG function torch, Powercontrol 1, water cooled, short torch neck	3.0		094-500060-30400	B1	581.00 €
	4.0		094-500060-30404	B1	608.00 €
	5.0		094-500060-30405	B1	634.00 €

MT551WS PC2X /// MT551WS PC2



- Water-cooled MIG/MAG function torch
- Torch neck 23 mm shorter compared to standard torch
 - **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 36 °



Designation	 m		Item no.	PG	Price
					Per unit
MIG/MAG function torch, Powercontrol 2, short torch neck, water cooled, with X Technology	3.0		094-500121-30700	B1	581.00 €
	4.0	-	094-500121-30704	B1	608.00 €
	5.0		094-500121-30705	B1	634.00 €
MIG/MAG function torch, Powercontrol 2, water cooled, short torch neck	3.0		094-500060-30700	B1	581.00 €
	4.0		094-500060-30704	B1	608.00 €
	5.0		094-500060-30705	B1	634.00 €

MT551WL



- Water-cooled MIG/MAG welding torch
- Torch neck 48 mm longer compared to standard torch
- Fits all welding machines with a Euro torch connector

Bend angle torch neck 35°




Designation			Item no.	PG	Price
	m				
MIG/MAG welding torch, water-cooled, long torch neck	3.0		094-500060-20000	B1	437.00 €
	4.0	-	094-500060-20004	B1	464.00 €
	5.0		094-500060-20005	B1	490.00 €

MT551WL U/DX /// MT551WL U/D



- Water-cooled MIG/MAG function torch
- Torch neck 48 mm longer compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 35°

Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, up/down, water cooled, long torch neck, with X Technology	3.0		094-500121-20200	B1	544.00 €
	4.0	-	094-500121-20204	B1	571.00 €
	5.0		094-500121-20205	B1	597.00 €
MIG/MAG function torch, up/down, water cooled, long torch neck	3.0		094-500060-20200	B1	544.00 €
	4.0		094-500060-20204	B1	571.00 €
	5.0		094-500060-20205	B1	597.00 €

MT551W




„Consumables MT551W“ on page 186

MT551WL 2U/DX /// MT551WL 2U/D



- Water-cooled MIG/MAG function torch
- Torch neck 48 mm longer compared to standard torch
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 35°




Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, 2 up/down, water cooled, long torch neck, with X Technology	3.0		094-500121-20300	B1	544.00 €
	4.0	-	094-500121-20304	B1	571.00 €
	5.0		094-500121-20305	B1	597.00 €
MIG/MAG function torch, 2 up/down, water cooled, long torch neck	3.0		094-500060-20300	B1	544.00 €
	4.0		094-500060-20304	B1	571.00 €
	5.0		094-500060-20305	B1	597.00 €

MT551WL PC1X /// MT551WL PC1



- Water-cooled MIG/MAG function torch
- Torch neck 48 mm longer compared to standard torch
- Displaying and setting of welding current and wire feed speed
- Program selection also available as an option
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 35°




Designation			Item no.	PG	Price
	m				
MIG/MAG function torch, Powercontrol 1, water cooled, long torch neck, with X Technology	3.0		094-500121-20400	B1	608.00 €
	4.0	-	094-500121-20404	B1	634.00 €
	5.0		094-500121-20405	B1	661.00 €
MIG/MAG function torch, Powercontrol 1, water cooled, long torch neck	3.0		094-500060-20400	B1	608.00 €
	4.0		094-500060-20404	B1	634.00 €
	5.0		094-500060-20405	B1	661.00 €

MT551WL PC2X /// MT551WL PC2

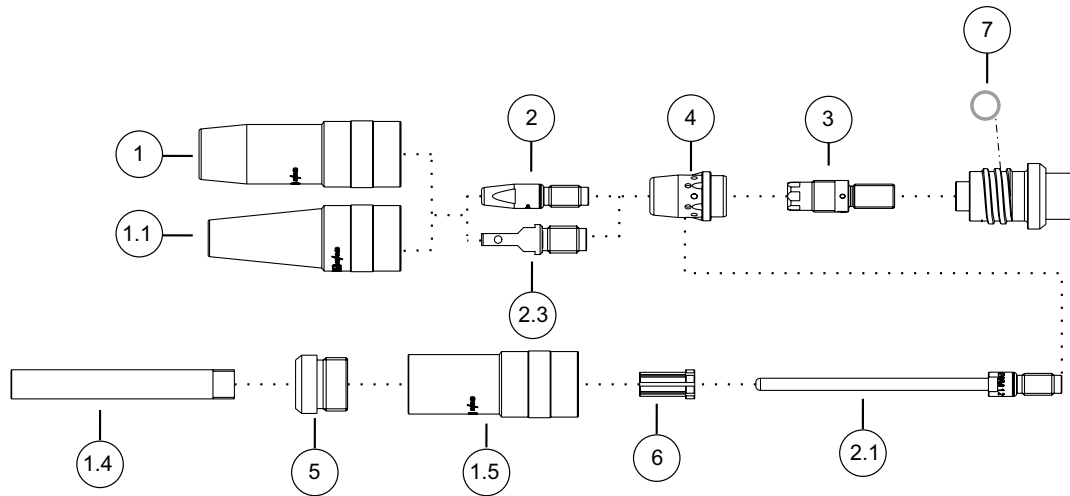


- Water-cooled MIG/MAG function torch
- Torch neck 48 mm longer compared to standard torch
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- MT function torch with X technology only suitable for Titan XQ puls, EWM MULTIMATRIX or Taurus Steel welding machines
- If the welding torch is connected to third-party machines or welding machines without MULTIMATRIX technology, welding is not possible
- Torches with additional control cable for connection to EWM welding machines without Multi-matrix technology

Bend angle torch neck 35°

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG function torch, Powercontrol 2, water cooled, long torch neck, with X Technology	3.0		094-500121-20700	B1	608.00 €
	4.0	-	094-500121-20704	B1	634.00 €
	5.0		094-500121-20705	B1	661.00 €
MIG/MAG function torch, Powercontrol 2, water cooled, long torch neck	3.0		094-500060-20700	B1	608.00 €
	4.0		094-500060-20704	B1	634.00 €
	5.0		094-500060-20705	B1	661.00 €

Consumables MT551W



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU	Item no.	PG	Price Per unit
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001	B2	9.99 €
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001	B2	9.99 €
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001	B2	9.99 €
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001	B2	9.99 €
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001	B2	9.99 €
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001	B2	9.99 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000	B2	12.67 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	66	-	1	094-022227-00000	B2	11.07 €
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	B2	6.50 €
1.4	Gas nozzle, narrow gap welding	-	-	-	76	-	10	094-022226-00000	B2	9.20 €
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000	B2	10.15 €
2	Contact nozzle	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2.35 €
2	Contact nozzle	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2.35 €
2	Contact nozzle	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2.35 €
2	Contact nozzle	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2.35 €
2	Contact nozzle	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2.35 €
2	Contact nozzle	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2.35 €
2	Contact nozzle	-	2	M9	35	CuCrZr	10	094-013534-00001	B3	2.74 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	2	M8	30	E-Cu	10	094-016920-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1.81 €
2	Contact nozzle	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1.81 €
2	Contact nozzle	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1.81 €
2	Contact nozzle	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1.81 €
2	Contact nozzle	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1.81 €
2	Contact nozzle	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1.81 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU	Item no.	PG	Price Per unit
2	Contact nozzle	-	2	M8	30	CuCrZr	10	094-014193-00000	B3	1.81 €
2	Contact nozzle	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1.28 €
2	Contact nozzle	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1.28 €
2	Contact nozzle	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1.28 €
2	Contact nozzle	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1.28 €
2	Contact nozzle	-	2	M8	30	E-Cu	10	094-016114-00000	B3	1.28 €
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	B2	8.20 €
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	B2	10.80 €
2.3	Forced contact contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.6	M9	35	CuCrZr	10	094-025533-00000	B2	5.80 €
3	Contact tip holder	-	-	M8	34.5	CuCrZr	10	094-015489-00003	B2	5.20 €
3	Contact tip holder	-	-	M8	37.5	CuCrZr	10	094-016018-00003	B2	5.20 €
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003	B2	5.95 €
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003	B2	5.95 €
4	Gas diffuser	20.2	-	-	25	Plastic	10	094-013111-00002	B2	3.45 €
5	Capillary tube	-	-	-	-	-	1	094-019625-00000	B2	21.95 €
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	B2	2.18 €
7	O-Ring for gas nozzle holder	-	-	-	-	-	10	094-022875-00000	B2	0.98 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

Consumables set MT551W

Set Steel/CrNi M9 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, steel/CrNi, M9
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 35 mm and 38 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M9
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013429-30000	B2	164.00 €

Set Alu M9 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, aluminium, M9
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 35 mm and 38 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M9
Usage	Aluminium

Designation	Item no.	PG	Price Per unit
Consumables set, aluminium	092-013429-30001	B2	156.00 €

Set Steel/CrNi M8 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, steel/CrNi, M8
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 34.5 mm and 37.5 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M8
Usage	ST, CrNi, CuSi, AlBz

Designation	Item no.	PG	Price Per unit
Consumables set, steel/chromium nickel	092-013429-40000	B2	164.00 €

Set Alu M8 401 G / 551 W



- Replacement parts set for PM 401 G/MT401G and PM 551 W/MT551W welding torches
- Consumables set, aluminium, M8
- 5 x contact tip 1.0 mm, 1.2 mm and 1.6 mm
- 2 x contact tip holder 35 mm and 38 mm
- 1 x gas nozzle 15 mm, 17 mm and 19 mm
- 1 x gas diffuser 20 mm
- 1 x torch key
- 1 x gas nozzle cleaner

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M8
Usage	Aluminium

Designation	Item no.	PG	Price
			Per unit
Consumables set, aluminium	092-013429-40001	B2	156.00 €

MIG/MAG welding torches - Fume extraction torch

MT221G F

- Equipment as delivered (steel wire Ø 1.0 mm):
- Gas nozzle Ø 13 mm; 66 mm
- Gas diffuser Ø 14 mm; 12.5 mm
- Contact tip M7 x 30 mm; Ø 1.0 mm and contact tip holder M7 x 31.5 mm
- Steel liner blue; Ø 1.5 mm x 3.8 mm





MT221G F



- Gas-cooled MIG/MAG fume extraction torch
- Continuously adjustable extraction nozzle
- Bypass valve to regulate the extraction rate
- For operation with high-vacuum extraction systems

Duty cycle CO2	250 A / 60 %
Duty cycle M21	220 A / 60 %
Duty cycle M21 pulse	150 A / 60 %
Wire Ø	0.8 mm - 1.2 mm
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45°
Approvals	CE sign
Ø Extraction unit connection	42.5 mm

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, gas-cooled, fume extraction	3.0		094-500050-40000	B1	448.00 €
	4.0	-	094-500050-40004	B1	480.00 €
	5.0		094-500050-40005	B1	512.00 €

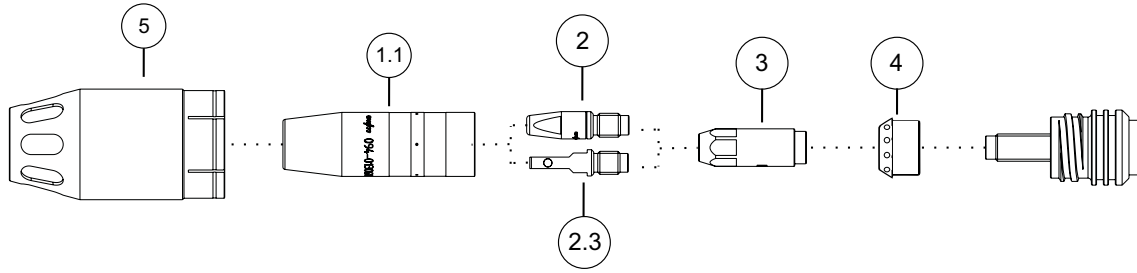
Connection nozzle for fume extraction torch



- Connection nozzle for fume extraction torches to connect to extraction hose Ø 45 mm

Designation	Item no.	PG	Price
			Per unit
Adapters for welding torches 42–44 mm	098-002874-00000	HW7	9.50 €
Adapters for welding torches 39–42 mm	398-000585-00000	HW7	9.50 €
Adapters for welding torches 30–38 mm	398-000586-00000	HW7	9.50 €

Consumables



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.1	Gas nozzle	11	-	-	66	-	10	094-013062-00001	B2	7.03 €
1.1	Gas nozzle	13	-	-	66	-	10	094-013061-00001	B2	7.03 €
1.1	Gas nozzle	16	-	-	66	-	10	094-013063-00001	B2	7.03 €
2	Contact nozzle	-	0.8	M7	30	CuCrZr	10	094-013535-00001	B3	1.87 €
2	Contact nozzle	-	0.9	M7	30	CuCrZr	10	094-013536-00001	B3	1.83 €
2	Contact nozzle	-	1	M7	30	CuCrZr	10	094-013537-00001	B3	1.51 €
2	Contact nozzle	-	1.2	M7	30	CuCrZr	10	094-013538-00001	B3	1.92 €
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00001	B3	1.75 €
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00001	B3	1.75 €
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00001	B3	1.78 €
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00001	B3	2.10 €
2	Contact tip, aluminium welding	-	0.8	M6	28	E-Cu	10	094-016105-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	0.9	M6	28	E-Cu	10	094-016106-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	1	M6	28	E-Cu	10	094-016107-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	1.2	M6	28	E-Cu	10	094-016108-00000	B3	0.96 €
2	Contact nozzle	-	0.8	M6	28	CuCrZr	10	094-013071-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M6	28	CuCrZr	10	094-013122-00000	B3	1.28 €
2	Contact nozzle	-	1	M6	28	CuCrZr	10	094-013072-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M6	28	CuCrZr	10	094-014317-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M6	28	E-Cu	10	094-016101-00000	B3	0.96 €
2	Contact nozzle	-	0.9	M6	28	E-Cu	10	094-016102-00000	B3	0.96 €
2	Contact nozzle	-	1	M6	28	E-Cu	10	094-016103-00000	B3	0.96 €
2	Contact nozzle	-	1.2	M6	28	E-Cu	10	094-016104-00000	B3	0.96 €
2.3	Forced contact contact tip	-	1	M7	30	CuCrZr	1	094-025535-00000	B2	5.50 €
2.3	Forced contact contact tip	-	1.2	M7	30	CuCrZr	1	094-025536-00000	B2	5.50 €
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002	B2	4.80 €
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002	B2	4.80 €
3	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-013069-00002	B2	4.21 €
3	Contact tip holder	-	-	M6	33.5	CuCrZr	10	094-013070-00002	B2	4.21 €
4	Gas diffuser	-	-	-	-	Plastic	10	094-013094-00004	B2	3.52 €
5	Extraction nozzle	-	-	-	-	-	1	094-014998-00000	B2	33.95 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

MIG/MAG welding torches - Fume extraction torch

MT301W F



- Equipment as supplied (steel wire 1.2 mm):
- Gas nozzle Ø 13 mm; 66 mm
- Gas diffuser Ø 14.5 mm; 12.5 mm
- Contact tip M7 x 30 mm; Ø 1.2 mm and contact tip holder M7 x 31.5 mm
- Steel liner red; Ø 2 mm x 4.6 mm

Duty cycle CO2	330 A / 100 %
Duty cycle M21	290 A / 100 %
Duty cycle M21 pulse	250 A / 100 %
Wire Ø	0.8 mm - 1.2 mm
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45°
Approvals	CE sign
Ø Extraction unit connection	42.5 mm

MT301W F



- Water-cooled MIG/MAG fume extraction torch
- Continuously adjustable extraction nozzle
- Bypass valve to regulate the extraction rate
- For operation with high-vacuum extraction systems

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, water-cooled, fume extraction	3.0		094-500058-40000	B1	618.00 €
	4.0	-	094-500058-40004	B1	644.00 €
	5.0		094-500058-40005	B1	664.00 €

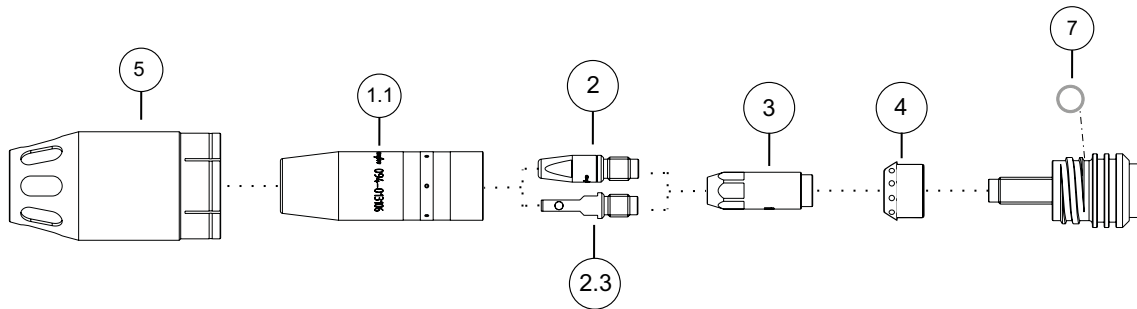
Connection nozzle for fume extraction torch



- Connection nozzle for fume extraction torches to connect to extraction hose Ø 45 mm

Designation	Item no.	PG	Price
			Per unit
Adapters for welding torches 42–44 mm	098-002874-00000	HW7	9.50 €
Adapters for welding torches 39–42 mm	398-000585-00000	HW7	9.50 €
Adapters for welding torches 30–38 mm	398-000586-00000	HW7	9.50 €

Consumables



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.1	Gas nozzle	11	-	-	66	-	10	094-013062-00001	B2	7.03 €
1.1	Gas nozzle	13	-	-	66	-	10	094-013061-00001	B2	7.03 €
1.1	Gas nozzle	16	-	-	66	-	10	094-013063-00001	B2	7.03 €
2	Contact nozzle	-	0.8	M7	30	CuCrZr	10	094-013535-00001	B3	1.87 €
2	Contact nozzle	-	0.9	M7	30	CuCrZr	10	094-013536-00001	B3	1.83 €
2	Contact nozzle	-	1	M7	30	CuCrZr	10	094-013537-00001	B3	1.51 €
2	Contact nozzle	-	1.2	M7	30	CuCrZr	10	094-013538-00001	B3	1.92 €
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00001	B3	1.75 €
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00001	B3	1.75 €
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00001	B3	1.78 €
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00001	B3	2.10 €
2	Contact tip, aluminium welding	-	0.8	M6	28	E-Cu	10	094-016105-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	0.9	M6	28	E-Cu	10	094-016106-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	1	M6	28	E-Cu	10	094-016107-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	1.2	M6	28	E-Cu	10	094-016108-00000	B3	0.96 €
2	Contact nozzle	-	0.8	M6	28	CuCrZr	10	094-013071-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M6	28	CuCrZr	10	094-013122-00000	B3	1.28 €
2	Contact nozzle	-	1	M6	28	CuCrZr	10	094-013072-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M6	28	CuCrZr	10	094-014317-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M6	28	E-Cu	10	094-016101-00000	B3	0.96 €
2	Contact nozzle	-	0.9	M6	28	E-Cu	10	094-016102-00000	B3	0.96 €
2	Contact nozzle	-	1	M6	28	E-Cu	10	094-016103-00000	B3	0.96 €
2	Contact nozzle	-	1.2	M6	28	E-Cu	10	094-016104-00000	B3	0.96 €
2.3	Forced contact contact tip	-	1	M7	30	CuCrZr	1	094-025535-00000	B2	5.50 €
2.3	Forced contact contact tip	-	1.2	M7	30	CuCrZr	1	094-025536-00000	B2	5.50 €
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002	B2	4.80 €
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002	B2	4.80 €
3	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-013069-00002	B2	4.21 €
3	Contact tip holder	-	-	M6	33.5	CuCrZr	10	094-013070-00002	B2	4.21 €
4	Gas diffuser	-	-	-	-	Plastic	10	094-013094-00004	B2	3.52 €
5	Extraction nozzle	-	-	-	-	-	1	094-014998-00000	B2	33.95 €
7	O-Ring for gas nozzle holder	-	-	-	-	-	10	094-025320-00000	B2	0.30 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

MIG/MAG welding torches - Fume extraction torch

MT451W F



- Equipment as supplied (steel wire Ø 1.2 mm):
- Gas nozzle Ø 15 mm; 71 mm
- Gas diffuser Ø 17 mm; 14 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm and contact tip holder M9 x 34.5 mm
- Steel liner red; Ø 2 mm x 4.6 mm

Duty cycle CO2	500 A / 100 %
Duty cycle M21	450 A / 100 %
Duty cycle M21 pulse	350 A / 100 %
Wire Ø	0.8 mm - 1.6 mm
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45°
Approvals	CE sign
Ø Extraction unit connection	42.5 mm

MT451W F



- Water-cooled MIG/MAG fume extraction torch
- Continuously adjustable extraction nozzle
- Bypass valve to regulate the extraction rate
- For operation with high-vacuum extraction systems

Designation			Item no.	PG	Price
	m				Per unit
MIG/MAG welding torch, water-cooled, fume extraction	3.0		094-500059-40000	B1	664.00 €
	4.0	-	094-500059-40004	B1	685.00 €
	5.0		094-500059-40005	B1	706.00 €

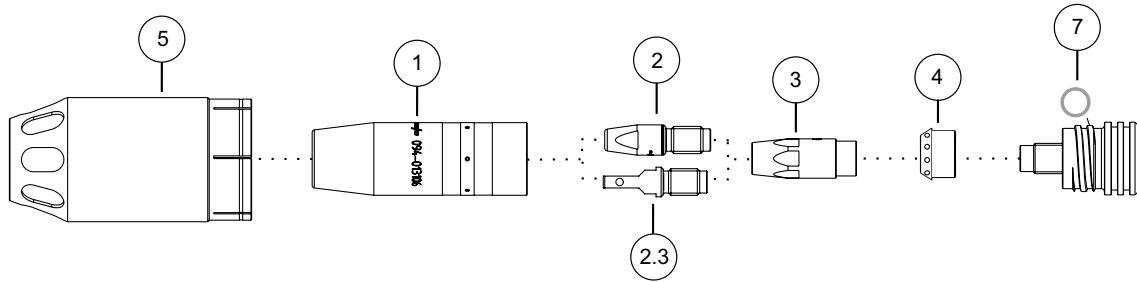
Connection nozzle for fume extraction torch



- Connection nozzle for fume extraction torches to connect to extraction hose Ø 45 mm

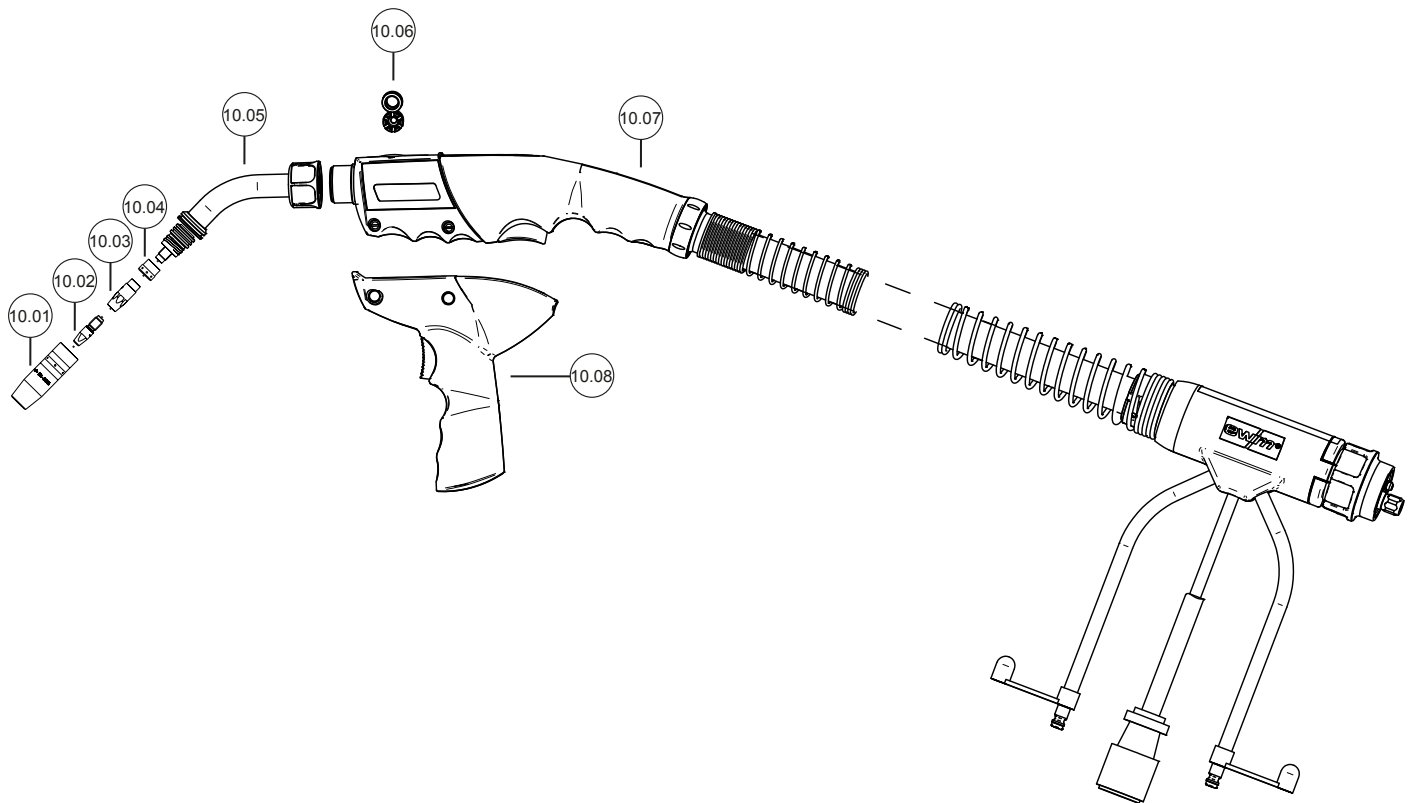
Designation	Item no.	PG	Price
			Per unit
Adapters for welding torches 42–44 mm	098-002874-00000	HW7	9.50 €
Adapters for welding torches 39–42 mm	398-000585-00000	HW7	9.50 €
Adapters for welding torches 30–38 mm	398-000586-00000	HW7	9.50 €

Consumables



Item	Designation	Nozzle Ø	Wire Ø	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
		mm	mm							
1	Gas nozzle, short	15	-	-	65	-	10	094-019821-00001	B2	7.42 €
1	Gas nozzle, short	18	-	-	65	-	10	094-019822-00001	B2	7.42 €
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001	B2	8.60 €
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001	B2	8.60 €
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001	B2	8.60 €
2	Contact nozzle	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2.35 €
2	Contact nozzle	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2.35 €
2	Contact nozzle	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2.35 €
2	Contact nozzle	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2.35 €
2	Contact nozzle	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2.35 €
2	Contact nozzle	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2.35 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1.81 €
2	Contact nozzle	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1.81 €
2	Contact nozzle	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1.81 €
2	Contact nozzle	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1.81 €
2	Contact nozzle	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1.81 €
2	Contact nozzle	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1.81 €
2	Contact nozzle	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1.28 €
2	Contact nozzle	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1.28 €
2	Contact nozzle	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1.28 €
2	Contact nozzle	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1.28 €
2.3	Forced contact contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.6	M9	35	CuCrZr	10	094-025533-00000	B2	5.80 €
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002	B2	5.77 €
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002	B2	5.77 €
3	Contact tip holder	-	-	M8	34.1	CuCrZr	10	094-013109-00002	B2	5.10 €
3	Contact tip holder	-	-	M8	37.1	CuCrZr	10	094-013110-00002	B2	5.10 €
4	Gas diffuser	-	-	-	-	Plastic	10	094-013096-00004	B2	3.85 €
5	Extraction nozzle	-	-	-	-	-	1	094-014997-00000	B2	29.00 €
7	O-Ring for gas nozzle holder	-	-	-	-	-	10	094-025089-00000	B2	0.36 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

Welding torch components and design






Components

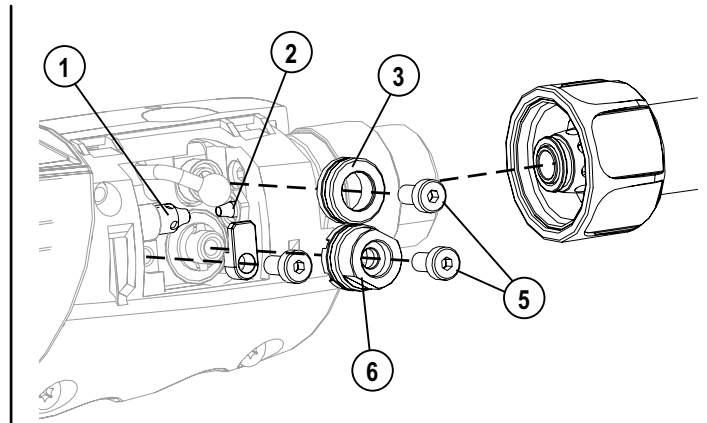
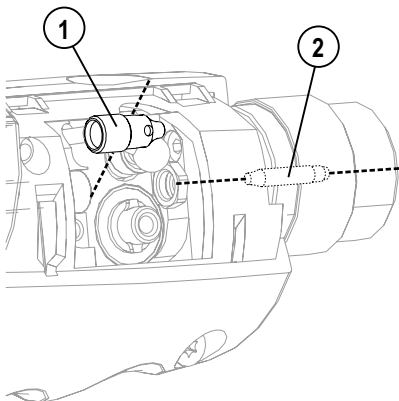
Please note that all necessary components must be ordered separately. This ensures that you are able to equip your welding torch according to your requirements, right from the start.

Item	Type
10.01	Gas nozzle
10.02	Contact tip
10.03	Contact tip holder
10.04	Gas diffuser
10.05	Gas- or water-cooled torch neck with different rated outputs and bend angles
10.06	Wire feed rolls for different welding consumables and wire diameters
10.07	Gas- or water-cooled push/pull drive unit with different lengths
10.08	Optional: Pistol grip

Example order: Push/pull 8 m, up/down, gas cooled, for steel wire 1.0

Up/down drive unit for gas-cooled welding torch (PP MTCG U/D) 8 m	Torch neck MT301CG, 45°	Original equipment set, steel
094-500107-00208	094-017526-E0000	092-003674-00010
		

■ Consumables for drive unit



Item	Type	Version	Designation	Item no.	PU	P	Price
					Units		
1	DED		Inlet guide nozzle	094-019335-00000	1	B2	10,80 €
2	DFH		Wire guide bush	094-019334-00000	1	B2	16,50 €
3, 5, 6	SET ALU PP 0,8	Ø 0.8 mm	Aluminium roller set	094-019523-00000	1	B2	40,00 €
3, 5, 6	SET ALU PP 0,9	Ø 0.9 mm	Aluminium roller set	094-019524-00000	1	B2	40,00 €
3, 5, 6	SET ALU PP 1,0	Ø 1.0 mm	Aluminium roller set	094-019525-00000	1	B2	40,00 €
3, 5, 6	SET ALU PP 1,2	Ø 1.2 mm	Aluminium roller set	094-019526-00000	1	B2	40,00 €
3, 5, 6	SET ALU PP 1,6	Ø 1.6 mm	Aluminium roller set	094-020714-00000	1	B2	43,80 €
3, 5, 6	SET STAHL PP 0,8	Ø 0.8 mm	Steel roller set	094-019527-00000	1	B2	40,00 €
3, 5, 6	SET STAHL PP 0,9	Ø 0.9 mm	Steel roller set	094-019528-00000	1	B2	40,00 €
3, 5, 6	SET STAHL PP 1,0	Ø 1.0 mm	Steel roller set	094-019529-00000	1	B2	40,00 €
3, 5, 6	SET STAHL PP 1,2	Ø 1.2 mm	Steel roller set	094-019530-00000	1	B2	40,00 €
3, 5, 6	SET STAHL PP 1,6	Ø 1.6 mm	Steel roller set	094-020688-00000	1	B2	40,00 €
-	3.8 x 1.5 mm	Ø 3.8 x 1.5 mm	O-Ring	094-019510-00000	10	B2	0,24 €

Gas-cooled push/pull welding torches

PP MTCG





- Drive unit with hose package
- Torch necks with various bend angles may be ordered separately
- Wire feed roller may be ordered separately
- The push/pull torch body PP MTCG can be equipped with the torch necks TN MT221CG or TN MT301CG
- Pistol grip can be mounted without conversion
- Self-inching
- Colour-marked wire feed rollers
- Plug&play with EWM machines

Connection		Euro torch connector			
Approvals		CE sign			
Designation			Item no.	PG	Price
	m				Per unit
Drive unit with hose package for gas-cooled torch necks	6.0		094-500107-00006	B1	2,796.00 €
	8.0	-	094-500107-00008	B1	2,843.00 €
	10.0		094-500107-00010	B1	2,889.00 €
Torch grip option	-	-	094-019472-00000	B2	47.40 €

PP MTCG U/D





- Drive unit including hose package, with program or JOB selection
- Torch necks with various bend angles may be ordered separately
- Wire feed roller may be ordered separately
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- The push/pull torch body PP MTCG can be equipped with the torch necks TN MT221CG or TN MT301CG
- Pistol grip can be mounted without conversion
- Self-inching
- Colour-marked wire feed rollers
- Plug&play with EWM machines

Connection		Euro torch connector			
Approvals		CE sign			
Designation			Item no.	PG	Price
	m				Per unit
Drive unit with hose package for gas-cooled torch necks, up/down	6.0		094-500107-00206	B1	2,956.00 €
	8.0	-	094-500107-00208	B1	3,028.00 €
	10.0		094-500107-00210	B1	3,100.00 €
Torch grip option	-	-	094-019472-00000	B2	47.40 €

PP MTCG 2U/D



- Drive unit including hose package, with 2 up/down controls (2U/D)
- Torch necks with various bend angles may be ordered separately
- Wire feed roller may be ordered separately
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- The push/pull torch body PP MTCG can be equipped with the torch necks TN MT221CG or TN MT301CG
- Pistol grip can be mounted without conversion
- Self-inching
- Colour-marked wire feed rollers
- Plug&play with EWM machines

Connection		Euro torch connector			
Approvals		CE sign			
Designation			Item no.	PG	Price
	m				
Drive unit with hose package for gas-cooled torch necks, 2 up/down	6.0		094-500107-00306	B1	2,956.00 €
	8.0	-	094-500107-00308	B1	3,028.00 €
	10.0		094-500107-00310	B1	3,100.00 €
Torch grip option	-	-	094-019472-00000	B2	47.40 €

PP MTCG PC1



- Drive unit including hose package, with Powercontrol (PC1)
- Torch necks with various bend angles may be ordered separately
- Wire feed roller may be ordered separately
- **Setting of:**
 - Displaying and setting of welding current and wire feed speed
 - Program selection also available as an option
- The push/pull torch body PP MTCG can be equipped with the torch necks TN MT221CG or TN MT301CG
- Pistol grip can be mounted without conversion
- Self-inching
- Colour-marked wire feed rollers
- Plug&play with EWM machines



Connection		Euro torch connector			
Approvals		CE sign			
Designation			Item no.	PG	Price
	m				
Drive unit with hose package for gas-cooled torch necks, Powercontrol 1	6.0		094-500107-00406	B1	3,018.00 €
	8.0	-	094-500107-00408	B1	3,095.00 €
	10.0		094-500107-00410	B1	3,162.00 €
Torch grip option	-	-	094-019472-00000	B2	47.40 €

Gas-cooled push/pull welding torches

PP MTCG PC2



- Drive unit including hose package, with Powercontrol 2 (PC2)
- Torch necks with various bend angles may be ordered separately
- Wire feed roller may be ordered separately
- **Display and setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- The push/pull torch body PP MTCG can be equipped with the torch necks TN MT221CG or TN MT301CG
- Pistol grip can be mounted without conversion
- Self-inching
- Colour-marked wire feed rollers
- Plug&play with EWM machines


Connection		Euro torch connector			
Approvals		CE sign			
Designation			Item no.	PG	Price
	m				
Drive unit with hose package for gas-cooled torch necks, Powercontrol 2	6.0		094-500107-00706	B1	3,018.00 €
	8.0	-	094-500107-00708	B1	3,095.00 €
	10.0		094-500107-00710	B1	3,162.00 €
Torch grip option	-	-	094-019472-00000	B2	47.40 €

Water-cooled push/pull welding torches

PP MTCW



- Drive unit with hose package
- Torch necks with various bend angles may be ordered separately
- Wire feed roller may be ordered separately
- The push/pull torch body PP MTCW can be equipped with the torch necks TN MT301CW or TN MT451CW
- Pistol grip can be mounted without conversion
- Self-inching
- Colour-marked wire feed rollers
- Plug&play with EWM machines




Connection		Euro torch connector			
Approvals		CE sign			
Designation			Item no.	PG	Price
	m				Per unit
Drive unit with hose package for water-cooled torch necks	6.0		094-500108-00006	B1	2,796.00 €
	8.0	-	094-500108-00008	B1	2,843.00 €
	10.0		094-500108-00010	B1	2,889.00 €
Torch grip option	-	-	094-019472-00000	B2	47.40 €

PP MTCW U/D



- Drive unit including hose package, with program or JOB selection
- Torch necks with various bend angles may be ordered separately
- Wire feed roller may be ordered separately
- **Setting of:**
 - Welding current and wire feed speed
 - Program selection also available as an option
- The push/pull torch body PP MTCW can be equipped with the torch necks TN MT301CW or TN MT451CW
- Pistol grip can be mounted without conversion
- Self-inching
- Colour-marked wire feed rollers
- Plug&play with EWM machines



Connection		Euro torch connector			
Approvals		CE sign			
Designation			Item no.	PG	Price
	m				Per unit
Drive unit with hose package for water-cooled torch necks, up/down	6.0		094-500108-00206	B1	2,956.00 €
	8.0		094-500108-00208	B1	3,028.00 €
	10.0		094-500108-00210	B1	3,100.00 €
Torch grip option	-	-	094-019472-00000	B2	47.40 €




Water-cooled push/pull welding torches

PP MTCW 2U/D



- Drive unit including hose package, with 2 up/down controls (2U/D)
- Torch necks with various bend angles may be ordered separately
- Wire feed roller may be ordered separately
- **Setting of:**
 - Welding current and wire feed speed
 - Voltage correction
 - Program and JOB selection
- The push/pull torch body PP MTCW can be equipped with the torch necks TN MT301CW or TN MT451CW
- Pistol grip can be mounted without conversion
- Self-inching
- Colour-marked wire feed rollers
- Plug&play with EWM machines






Connection		Euro torch connector			
Approvals		CE sign			
Designation			Item no.	PG	Price
	m				Per unit
Drive unit with hose package for water-cooled torch necks, 2 up/down	6.0		094-500108-00306	B1	2,956.00 €
	8.0		094-500108-00308	B1	3,028.00 €
	10.0		094-500108-00310	B1	3,100.00 €
Torch grip option	–	–	094-019472-00000	B2	47.40 €

PP MTCW PC1



- Drive unit including hose package, with Powercontrol (PC1)
- Torch necks with various bend angles may be ordered separately
- Wire feed roller may be ordered separately
- The push/pull torch body PP MTCW can be equipped with the torch necks TN MT301CW or TN MT451CW
- Pistol grip can be mounted without conversion
- Self-inching
- Colour-marked wire feed rollers
- Plug&play with EWM machines



Connection		Euro torch connector			
Approvals		CE sign			
Designation			Item no.	PG	Price
	m				Per unit
Drive unit with hose package for water-cooled torch necks, Powercontrol 1	6.0		094-500108-00406	B1	3,018.00 €
	8.0		094-500108-00408	B1	3,095.00 €
	10.0		094-500108-00410	B1	3,162.00 €
Torch grip option	–	–	094-019472-00000	B2	47.40 €

PP MTCW PC2






- Drive unit including hose package, with Powercontrol 2 (PC2)
- Torch necks with various bend angles may be ordered separately
- Wire feed roller may be ordered separately
- The push/pull torch body PP MTCW can be equipped with the torch necks TN MT301CW or TN MT451CW
- Pistol grip can be mounted without conversion
- Self-inking
- Colour-marked wire feed rollers
- Plug&play with EWM machines



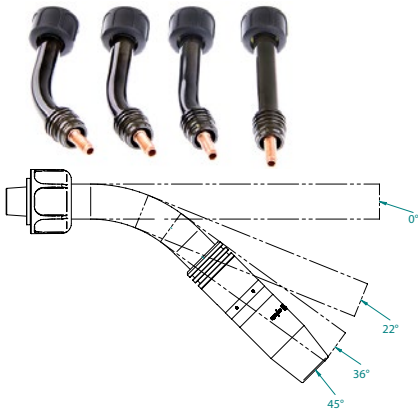
Connection Euro torch connector

Approvals CE sign

Designation			Item no.	PG	Price
	m				Per unit
Drive unit with hose package for water-cooled torch necks, Powercontrol 2	6.0		094-500108-00706	B1	3,018.00 €
	8.0		094-500108-00708	B1	3,095.00 €
	10.0		094-500108-00710	B1	3,162.00 €
Torch grip option	-	-	094-019472-00000	B2	47.40 €

Torch neck PM/MT 221G

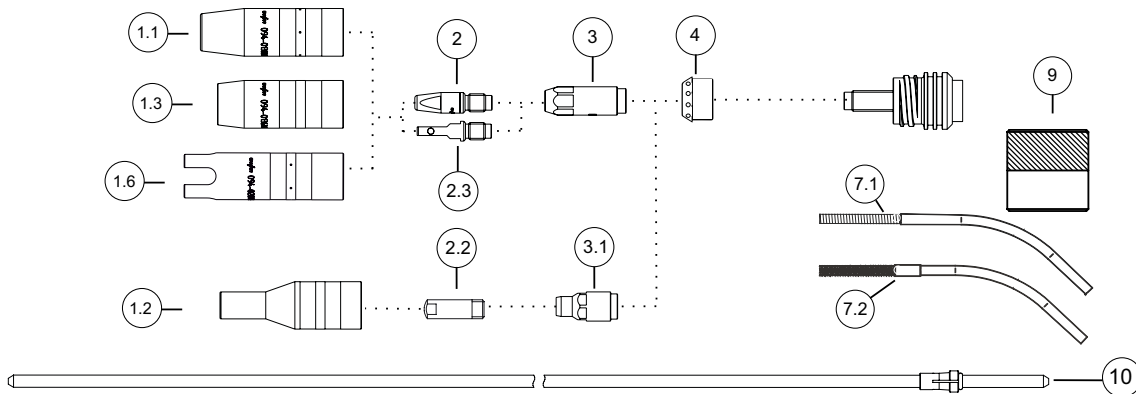
Torch neck MT221CG



- Torch neck for replaceable neck and push/pull welding torches
- Supplied without consumables – these must be ordered separately.

Designation	Torch neck bend angle	Item no.	PG	Price Per unit
Torch neck	0°	094-019425-E0000	B2	95,00 €
	22°	094-017983-E0000	B2	95,00 €
	36°	094-017984-E0000	B2	95,00 €
	45°	094-017268-E0000	B2	95,00 €

Consumables

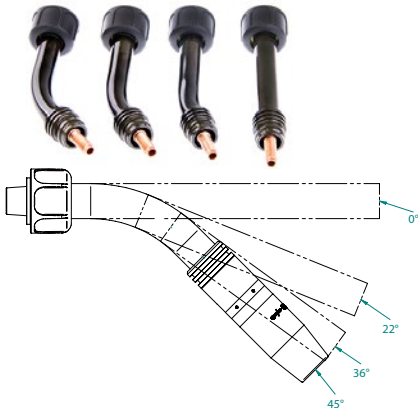


Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU	Item no.	PG	Price Per unit
1.1	Gas nozzle	11	-	-	66	-	10	094-013062-00001	B2	7,03 €
1.1	Gas nozzle	13	-	-	66	-	10	094-013061-00001	B2	7,03 €
1.1	Gas nozzle	16	-	-	66	-	10	094-013063-00001	B2	7,03 €
1.2	Gas nozzle, bottle neck	10.5	-	-	68	-	10	094-020136-00000	B2	20,10 €
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000	B2	14,40 €
1.6	Spot welding nozzle	18	-	-	75	-	10	094-020944-00000	B2	15,45 €
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00001	B3	1,87 €
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00001	B3	1,83 €
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00001	B3	1,51 €
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00001	B3	1,92 €
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00001	B3	1,75 €
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00001	B3	1,75 €
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00001	B3	1,78 €
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00001	B3	2,10 €
2	Contact tip, aluminium welding	-	0.8	M6	28	E-Cu	10	094-016105-00000	B3	0,96 €
2	Contact tip, aluminium welding	-	0.9	M6	28	E-Cu	10	094-016106-00000	B3	0,96 €
2	Contact tip, aluminium welding	-	1	M6	28	E-Cu	10	094-016107-00000	B3	0,96 €
2	Contact tip, aluminium welding	-	1.2	M6	28	E-Cu	10	094-016108-00000	B3	0,96 €
2	Contact tip	-	0.8	M6	28	CuCrZr	10	094-013071-00000	B3	1,28 €
2	Contact tip	-	0.9	M6	28	CuCrZr	10	094-013122-00000	B3	1,28 €
2	Contact tip	-	1	M6	28	CuCrZr	10	094-013072-00000	B3	1,28 €
2	Contact tip	-	1.2	M6	28	CuCrZr	10	094-014317-00000	B3	1,28 €
2	Contact tip	-	0.8	M6	28	E-Cu	10	094-016101-00000	B3	0,96 €
2	Contact tip	-	0.9	M6	28	E-Cu	10	094-016102-00000	B3	0,96 €
2	Contact tip	-	1	M6	28	E-Cu	10	094-016103-00000	B3	0,96 €
2	Contact tip	-	1.2	M6	28	E-Cu	10	094-016104-00000	B3	0,96 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU	Item no.	PG	Price Per unit
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000	E6	2,12 €
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000	B2	0,67 €
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000	B2	0,67 €
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000	B2	0,47 €
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000	B2	0,47 €
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000	B2	0,47 €
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000	B2	0,47 €
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000	B2	0,47 €
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000	B2	0,47 €
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000	B2	0,47 €
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000	B2	0,47 €
2.3	Forced-contact tip	-	1	M7	30	CuCrZr	1	094-025535-00000	B2	5,50 €
2.3	Forced-contact tip	-	1.2	M7	30	CuCrZr	1	094-025536-00000	B2	5,50 €
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002	B2	4,80 €
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002	B2	4,80 €
3	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-013069-00002	B2	4,21 €
3	Contact tip holder	-	-	M6	33.5	CuCrZr	10	094-013070-00002	B2	4,21 €
4	Gas diffuser	-	-	-	-	Plastic	10	094-013094-00004	B2	3,52 €
7.1	Steel liner	-	-	-	-	-	1	092-018691-00000	B2	20,20 €
7.2	Steel liner, teflon	-	-	-	-	-	1	092-018692-00000	B2	20,60 €
9	Trimming jig	-	-	-	-	-	1	094-019564-00000	B2	6,30 €
10	PA liner	-	1.6-2.0	-	6,000	-	1	094-021160-00006	B2	29,90 €
10	PA liner	-	1.6-2.0	-	8,000	-	1	094-021160-00008	B2	34,10 €
10	PA liner	-	1.6-2.0	-	10,000	-	1	094-021160-00010	B2	38,30 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1,01 €
-	Lubricant	-	-	-	-	-	1	094-019445-00000	N1	1,06 €

Torch neck PM/MT 301W

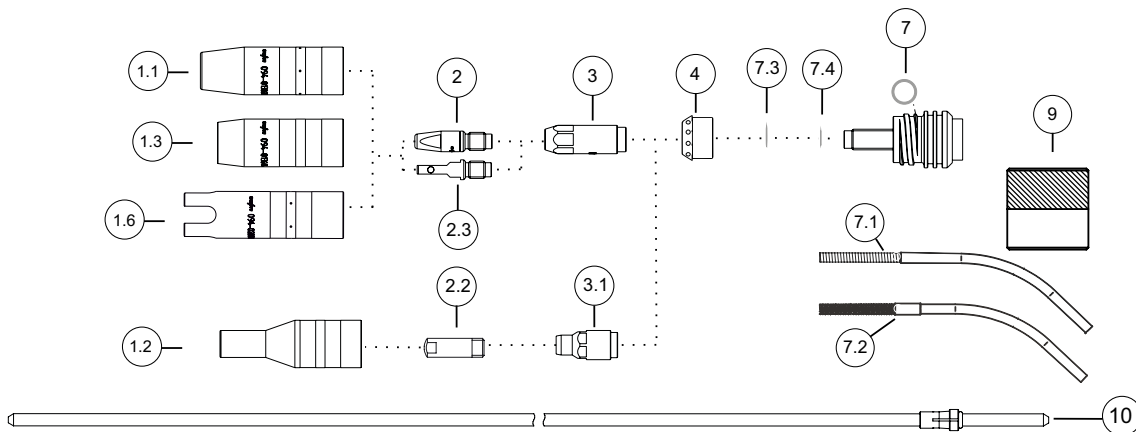
Torch neck MT301CW



- Torch neck for replaceable neck and push/pull welding torches
- Supplied without consumables – these must be ordered separately.
- Worn o-rings have a negative impact on welding torch cooling. Insufficient cooling causes damage to the welding torch.
- Check and if necessary grease or replace all o-rings when converting the welding torch!

Designation	Torch neck bend angle	Item no.	PG	Price Per unit
Torch neck	0°	094-019428-E0000	B2	144,00 €
	22°	094-017988-E0000	B2	144,00 €
	36°	094-017989-E0000	B2	144,00 €
	45°	094-017526-E0000	B2	144,00 €

Consumables

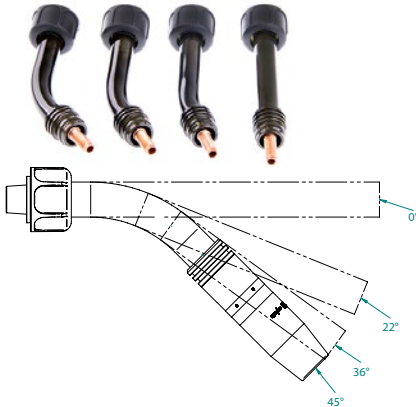


Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU	Item no.	PG	Price Per unit
1.1	Gas nozzle	11	-	-	66	-	10	094-013062-00001	B2	7,03 €
1.1	Gas nozzle	13	-	-	66	-	10	094-013061-00001	B2	7,03 €
1.1	Gas nozzle	16	-	-	66	-	10	094-013063-00001	B2	7,03 €
1.2	Gas nozzle, bottle neck	10.5	-	-	68	-	10	094-020136-00000	B2	20,10 €
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000	B2	14,40 €
1.6	Spot welding nozzle	18	-	-	75	-	10	094-020944-00000	B2	15,45 €
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00001	B3	1,87 €
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00001	B3	1,83 €
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00001	B3	1,51 €
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00001	B3	1,92 €
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00001	B3	1,75 €
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00001	B3	1,75 €
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00001	B3	1,78 €
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00001	B3	2,10 €
2	Contact tip, aluminium welding	-	0.8	M6	28	E-Cu	10	094-016105-00000	B3	0,96 €
2	Contact tip, aluminium welding	-	0.9	M6	28	E-Cu	10	094-016106-00000	B3	0,96 €
2	Contact tip, aluminium welding	-	1	M6	28	E-Cu	10	094-016107-00000	B3	0,96 €
2	Contact tip, aluminium welding	-	1.2	M6	28	E-Cu	10	094-016108-00000	B3	0,96 €
2	Contact tip	-	0.8	M6	28	CuCrZr	10	094-013071-00000	B3	1,28 €
2	Contact tip	-	0.9	M6	28	CuCrZr	10	094-013122-00000	B3	1,28 €
2	Contact tip	-	1	M6	28	CuCrZr	10	094-013072-00000	B3	1,28 €
2	Contact tip	-	1.2	M6	28	CuCrZr	10	094-014317-00000	B3	1,28 €
2	Contact tip	-	0.8	M6	28	E-Cu	10	094-016101-00000	B3	0,96 €
2	Contact tip	-	0.9	M6	28	E-Cu	10	094-016102-00000	B3	0,96 €
2	Contact tip	-	1	M6	28	E-Cu	10	094-016103-00000	B3	0,96 €
2	Contact tip	-	1.2	M6	28	E-Cu	10	094-016104-00000	B3	0,96 €
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000	E6	2,12 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU	Item no.	PG	Price Per unit
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000	B2	0,67 €
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000	B2	0,67 €
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000	B2	0,47 €
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000	B2	0,47 €
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000	B2	0,47 €
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000	B2	0,47 €
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000	B2	0,47 €
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000	B2	0,47 €
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000	B2	0,47 €
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000	B2	0,47 €
2.3	Forced-contact tip	-	1	M7	30	CuCrZr	1	094-025535-00000	B2	5,50 €
2.3	Forced-contact tip	-	1.2	M7	30	CuCrZr	1	094-025536-00000	B2	5,50 €
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002	B2	4,80 €
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002	B2	4,80 €
3	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-013069-00002	B2	4,21 €
3	Contact tip holder	-	-	M6	33.5	CuCrZr	10	094-013070-00002	B2	4,21 €
4	Gas diffuser	-	-	-	-	Plastic	10	094-013094-00004	B2	3,52 €
7	O-Ring for gas nozzle holder	-	-	-	-	-	-	094-025320-00000	B2	0,30 €
7.1	Steel liner	-	-	-	-	-	1	092-018691-00000	B2	20,20 €
7.2	Steel liner, teflon	-	-	-	-	-	1	092-018692-00000	B2	20,60 €
7.3	O-Ring for water-cooled replaceable necks	-	-	-	-	-	10	094-021052-00000	B2	0,37 €
7.4	O-Ring for water-cooled replaceable necks, narrow	-	-	-	-	-	10	094-021053-00000	B2	0,74 €
9	Trimming jig	-	-	-	-	-	1	094-019564-00000	B2	6,30 €
10	PA liner	-	1.6-2.0	-	6,000	-	1	094-021160-00006	B2	29,90 €
10	PA liner	-	1.6-2.0	-	8,000	-	1	094-021160-00008	B2	34,10 €
10	PA liner	-	1.6-2.0	-	10,000	-	1	094-021160-00010	B2	38,30 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1,01 €
-	Lubricant	-	-	-	-	-	1	094-019445-00000	N1	1,06 €

Torch neck PM/MT 301G

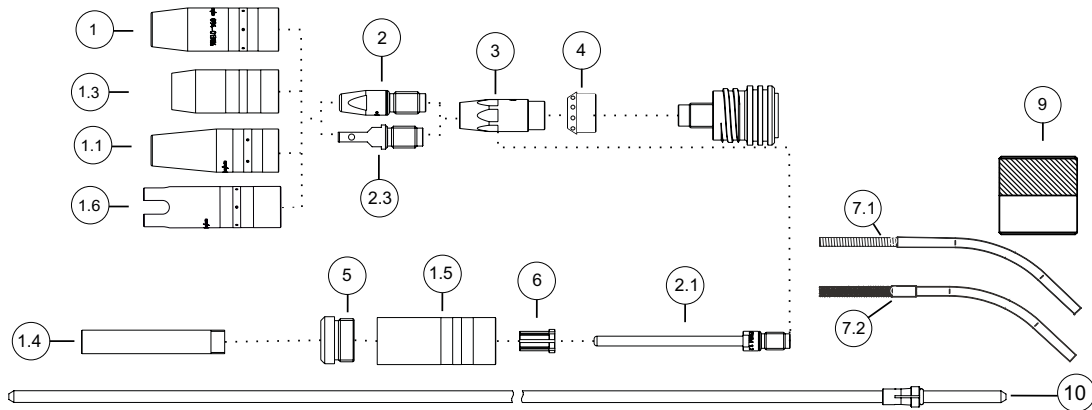
Torch neck MT301CG



- Torch neck for replaceable neck and push/pull welding torches
- Supplied without consumables – these must be ordered separately.

Designation	Torch neck bend angle	Item no.	PG	Price Per unit
Torch neck	0°	094-019427-E0000	B2	105,00 €
	22°	094-017985-E0000	B2	106,00 €
	36°	094-017986-E0000	B2	106,00 €
	45°	094-017307-E0000	B2	106,00 €

Consumables

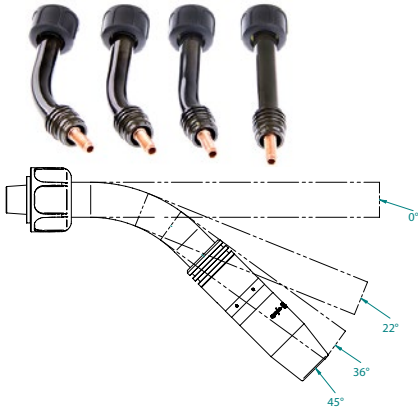


Item	Designation	Nozzle	Wire	Thread	Length	Material	PU	Item no.	PG	Price Per unit
		Ø mm	Ø mm							
1	Gas nozzle, short	15	-	-	65	-	10	094-019821-00001	B2	7,42 €
1	Gas nozzle, short	18	-	-	65	-	10	094-019822-00001	B2	7,42 €
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001	B2	8,60 €
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001	B2	8,60 €
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001	B2	8,60 €
1.1	Highly conical gas nozzle, narrow gap welding	13	-	-	71	-	10	094-019853-00001	B2	11,28 €
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000	B2	17,60 €
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	B2	6,50 €
1.4	Gas nozzle, narrow gap welding	-	-	-	76	-	10	094-022226-00000	B2	9,20 €
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000	B2	7,62 €
1.6	Spot welding nozzle	20	-	-	80	-	10	094-020945-00000	B2	17,51 €
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2,35 €
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2,35 €
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2,35 €
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2,35 €
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2,35 €
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2,35 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2,25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2,25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2,13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2,13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2,25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2,25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1,28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1,28 €

Item	Designation	Nozzle Ø	Wire Ø	Thread	Length	Material	PU	Item no.	PG	Price
		mm	mm		mm					Per unit
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1,28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1,28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1,28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1,28 €
2	Contact tip	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1,81 €
2	Contact tip	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1,81 €
2	Contact tip	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1,81 €
2	Contact tip	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1,81 €
2	Contact tip	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1,81 €
2	Contact tip	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1,81 €
2	Contact tip	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1,28 €
2	Contact tip	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1,28 €
2	Contact tip	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1,28 €
2	Contact tip	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1,28 €
2	Contact tip	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1,28 €
2	Contact tip	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1,28 €
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	B2	10,80 €
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	B2	10,80 €
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	B2	10,80 €
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	B2	8,20 €
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	B2	10,80 €
2.3	Forced-contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	5,80 €
2.3	Forced-contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	5,80 €
2.3	Forced-contact tip	-	1.6	M9	35	CuCrZr	10	094-025533-00000	B2	5,80 €
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002	B2	5,77 €
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002	B2	5,77 €
3	Contact tip holder	-	-	M8	34.1	CuCrZr	10	094-013109-00002	B2	5,10 €
3	Contact tip holder	-	-	M8	37.1	CuCrZr	10	094-013110-00002	B2	5,10 €
4	Gas diffuser	-	-	-	-	-	10	094-013096-00004	B2	3,85 €
5	Insulation part	-	-	-	-	-	1	094-019625-00000	B2	21,95 €
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	B2	2,18 €
7.1	Steel liner	-	-	-	-	-	1	092-018691-00000	B2	20,20 €
7.2	Steel liner, teflon	-	-	-	-	-	1	092-018692-00000	B2	20,60 €
9	Trimming jig	-	-	-	-	-	1	094-019564-00000	B2	6,30 €
10	PA liner	-	1.6-2.0	-	6,000	-	1	094-021160-00006	B2	29,90 €
10	PA liner	-	1.6-2.0	-	8,000	-	1	094-021160-00008	B2	34,10 €
10	PA liner	-	1.6-2.0	-	10,000	-	1	094-021160-00010	B2	38,30 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1,01 €
-	Lubricant	-	-	-	-	-	1	094-019445-00000	N1	1,06 €

Torch neck PM/MT 451W

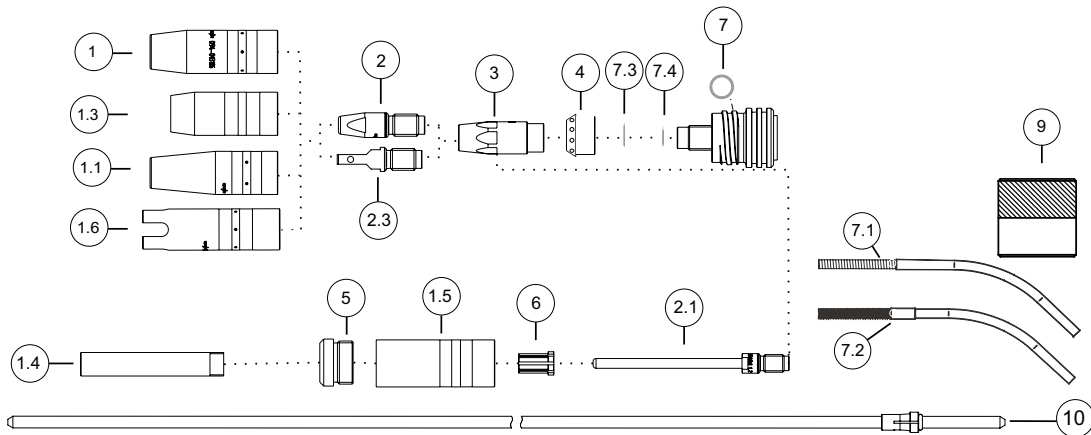
Torch neck MT451CW



- Torch neck for replaceable neck and push/pull welding torches
- Supplied without consumables – these must be ordered separately.
- Worn o-rings have a negative impact on welding torch cooling. Insufficient cooling causes damage to the welding torch.
- Check and if necessary grease or replace all o-rings when converting the welding torch!

Designation	Torch neck bend angle	Item no.	PG	Price Per unit
Torch neck	0°	094-019483-E0000	B2	155,00 €
	22°	094-019484-E0000	B2	155,00 €
	36°	094-019485-E0000	B2	155,00 €
	45°	094-017528-E0000	B2	155,00 €

Consumables



Item	Designation	Nozzle	Wire	Thread	Length	Material	PU	Item no.	PG	Price Per unit
		Ø mm								
1	Gas nozzle, short	15	-	-	65	-	10	094-019821-00001	B2	7,42 €
1	Gas nozzle, short	18	-	-	65	-	10	094-019822-00001	B2	7,42 €
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001	B2	8,60 €
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001	B2	8,60 €
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001	B2	8,60 €
1.1	Highly conical gas nozzle, narrow gap welding	13	-	-	71	-	10	094-019853-00001	B2	11,28 €
1.3	Gas nozzle, Innershield	-	-	-	59,5	-	10	094-019554-00000	B2	17,60 €
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	B2	6,50 €
1.4	Gas nozzle, narrow gap welding	-	-	-	76	-	10	094-022226-00000	B2	9,20 €
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000	B2	7,62 €
1.6	Spot welding nozzle	20	-	-	80	-	10	094-020945-00000	B2	17,51 €
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2,35 €
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2,35 €
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2,35 €
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2,35 €
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2,35 €
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2,35 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2,25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2,25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2,13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2,13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2,25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2,25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1,28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1,28 €

Item	Designation	Nozzle Ø	Wire Ø	Thread	Length	Material	PU	Item no.	PG	Price
		mm	mm		mm					Per unit
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1,28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1,28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1,28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1,28 €
2	Contact tip	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1,81 €
2	Contact tip	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1,81 €
2	Contact tip	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1,81 €
2	Contact tip	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1,81 €
2	Contact tip	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1,81 €
2	Contact tip	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1,81 €
2	Contact tip	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1,28 €
2	Contact tip	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1,28 €
2	Contact tip	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1,28 €
2	Contact tip	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1,28 €
2	Contact tip	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1,28 €
2	Contact tip	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1,28 €
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	B2	10,80 €
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	B2	10,80 €
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	B2	10,80 €
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	B2	8,20 €
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	B2	10,80 €
2.3	Forced-contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	5,80 €
2.3	Forced-contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	5,80 €
2.3	Forced-contact tip	-	1.6	M9	35	CuCrZr	10	094-025533-00000	B2	5,80 €
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002	B2	5,77 €
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002	B2	5,77 €
3	Contact tip holder	-	-	M8	34.1	CuCrZr	10	094-013109-00002	B2	5,10 €
3	Contact tip holder	-	-	M8	37.1	CuCrZr	10	094-013110-00002	B2	5,10 €
4	Gas diffuser	-	-	-	-	-	10	094-013096-00004	B2	3,85 €
5	Insulation part	-	-	-	-	-	1	094-019625-00000	B2	21,95 €
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	B2	2,18 €
7	O-Ring for gas nozzle holder	-	-	-	-	-	10	094-025089-00000	B2	0,36 €
7.1	Steel liner	-	-	-	-	-	1	092-018691-00000	B2	20,20 €
7.2	Steel liner, teflon	-	-	-	-	-	1	092-018692-00000	B2	20,60 €
7.3	O-Ring for water-cooled replaceable necks	-	-	-	-	-	10	094-021052-00000	B2	0,37 €
7.4	O-Ring for water-cooled replaceable necks, narrow	-	-	-	-	-	10	094-021053-00000	B2	0,74 €
9	Trimming jig	-	-	-	-	-	1	094-019564-00000	B2	6,30 €
10	PA liner	-	1.6–2.0	-	6,000	-	1	094-021160-00006	B2	29,90 €
10	PA liner	-	1.6–2.0	-	8,000	-	1	094-021160-00008	B2	34,10 €
10	PA liner	-	1.6–2.0	-	10,000	-	1	094-021160-00010	B2	38,30 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1,01 €
-	Lubricant	-	-	-	-	-	1	094-019445-00000	N1	1,06 €

Equipment sets and accessories for push/pull welding torches

MT221CG/MT301CW St M7



- Push/pull welding torch (original) equipment set, steel
- Suitable for TN MT221CG/TN MT301CW
- Set comprising:
 - 1 x gas nozzle, 1 x contact tip, 1 x contact tip holder, 1 x gas diffuser, 1 x steel liner, 1 x pressure roll, 1 x drive roll

Usage		Steel		
Designation	Wire Ø mm	Item no.	PG	Price Per unit
Equipment set for push/pull welding torch, steel	0.8	092-003671-00008	B2	79,80 €
	0.9	092-003671-00009	B2	79,80 €
	1.0	092-003671-00010	B2	79,80 €
	1.2	092-003671-00012	B2	79,80 €

MT221CG/MT301CW CrNi M7



- Push/pull welding torch (original) equipment set, CrNi
- Suitable for TN MT221CG/TN MT301CW
- Set comprising:
 - 1 x gas nozzle, 1 x contact tip, 1 x contact tip holder, 1 x gas diffuser, 1 x steel liner, 1 x pressure roll, 1 x drive roll

Usage		CrNi		
Designation	Wire Ø mm	Item no.	PG	Price Per unit
Equipment set for push/pull welding torch, CrNi	0.8	092-003673-00008	B2	79,80 €
	0.9	092-003673-00009	B2	79,80 €
	1.0	092-003673-00010	B2	79,80 €
	1.2	092-003673-00012	B2	79,80 €

MT221CG/MT301CW Alu M7



- Push/pull welding torch (original) equipment set, aluminium
- Suitable for TN MT221CG/TN MT301CW
- Set comprising:
 - 1 x gas nozzle, 1 x contact tip, 1 x contact tip holder, 1 x gas diffuser, 1 x steel liner, 1 x pressure roll, 1 x drive roll

Usage		Aluminium		
Designation	Wire Ø mm	Item no.	PG	Price Per unit
Equipment set for push/pull welding torch, aluminium	0.8	092-003672-00008	B2	79,80 €
	0.9	092-003672-00009	B2	79,80 €
	1.0	092-003672-00010	B2	79,80 €
	1.2	092-003672-00012	B2	79,80 €

MT301CG/MT451CW St M9

- Push/pull welding torch (original) equipment set, steel
- Suitable for TN MT301CG/TN MT451CW
- Set comprising:
 - 1 x gas nozzle, 1 x contact tip, 1 x contact tip holder, 1 x gas diffuser, 1 x steel liner, 1 x pressure roll, 1 x drive roll

Usage		Steel		
Designation	Wire Ø mm	Item no.	PG	Price Per unit
Equipment set for push/pull welding torch, steel	0.8	092-003674-00008	B2	85,30 €
	0.9	092-003674-00009	B2	85,30 €
	1.0	092-003674-00010	B2	85,30 €
	1.2	092-003674-00012	B2	85,30 €

MT301CG/MT451CW CrNi M9

- Push/pull welding torch (original) equipment set, CrNi
- Suitable for TN MT301CG/TN MT451CW
- Set comprising:
 - 1 x gas nozzle, 1 x contact tip, 1 x contact tip holder, 1 x gas diffuser, 1 x steel liner, 1 x pressure roll, 1 x drive roll

Usage		CrNi		
Designation	Wire Ø mm	Item no.	PG	Price Per unit
Equipment set for push/pull welding torch, CrNi	0.8	092-003676-00008	B2	85,30 €
	0.9	092-003676-00009	B2	85,30 €
	1.0	092-003676-00010	B2	85,30 €
	1.2	092-003676-00012	B2	85,30 €

MT301CG/MT451CW Alu M9

- Push/pull welding torch (original) equipment set, aluminium
- Suitable for TN MT301CG/TN MT451CW
- Set comprising:
 - 1 x gas nozzle, 1 x contact tip, 1 x contact tip holder, 1 x gas diffuser, 1 x steel liner, 1 x pressure roll, 1 x drive roll

Usage		Aluminium		
Designation	Wire Ø mm	Item no.	PG	Price Per unit
Equipment set for push/pull welding torch, aluminium	0.8	092-003675-00008	B2	85,30 €
	0.9	092-003675-00009	B2	85,30 €
	1.0	092-003675-00010	B2	85,30 €
	1.2	092-003675-00012	B2	85,30 €

ON pistol grip

- Pistol grip can be fitted without conversion.

Approvals		CE sign		
Designation	Item no.	PG	Price Per unit	
Optional pistol grip	094-019472-00000	B2	47,40 €	

AMT301G


„Consumables AMT301G“ on page 216

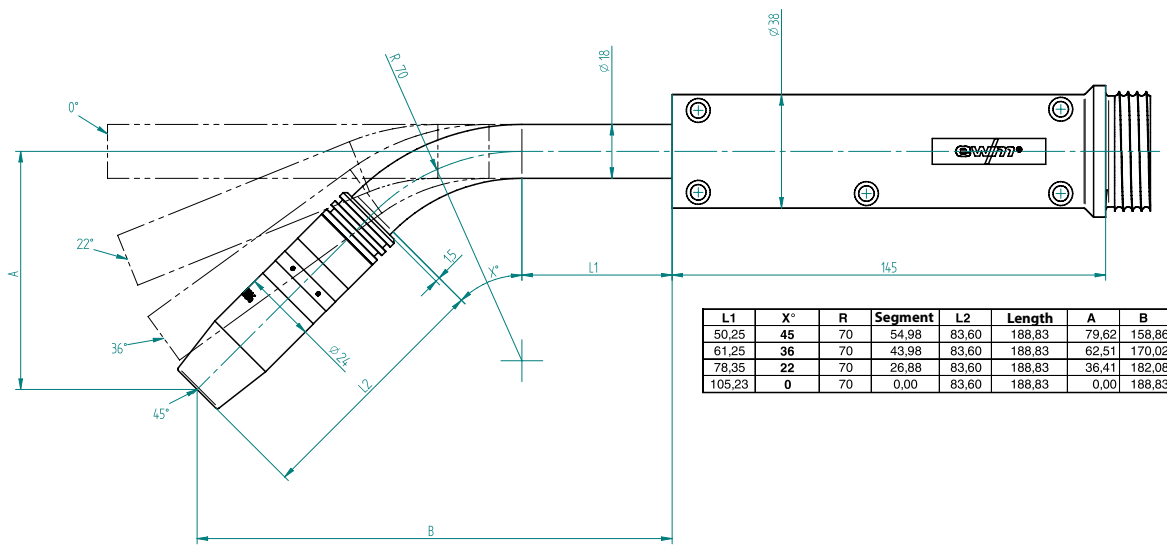
AMT301G



- Gas cooled MIG/MAG automated welding torch
- Consumables identical to MT301G
- Clamping diameter range 38 mm

Duty cycle CO2	330 A / 60 %
Duty cycle M21	300 A / 60 %
Duty cycle M21 pulse	210 A / 60 %
Wire Ø	0.8 mm - 1.6 mm
Connection	Euro torch connector
Thread, contact tip	M9

Designation	Bend angle torch neck		Item no.	PG	Price
		m			Per unit
Automated MIG/MAG welding torch, gas-cooled	0°	1.5	094-500061-00015	A1	378.00 €
		3.0	094-500061-00000	A1	378.00 €
		4.0	094-500061-00004	A1	400.00 €
		5.0	094-500061-00005	A1	421.00 €
	22°	1.5	094-500062-00015	A1	389.00 €
		3.0	094-500062-00000	A1	389.00 €
		4.0	094-500062-00004	A1	410.00 €
		5.0	094-500062-00005	A1	432.00 €
	36°	1.5	094-500063-00015	A1	389.00 €
		3.0	094-500063-00000	A1	389.00 €
		4.0	094-500063-00004	A1	410.00 €
		5.0	094-500063-00005	A1	432.00 €
	45°	1.5	094-500064-00015	A1	389.00 €
		3.0	094-500064-00000	A1	389.00 €
		4.0	094-500064-00004	A1	410.00 €
		5.0	094-500064-00005	A1	432.00 €



BH AMT D=38MM

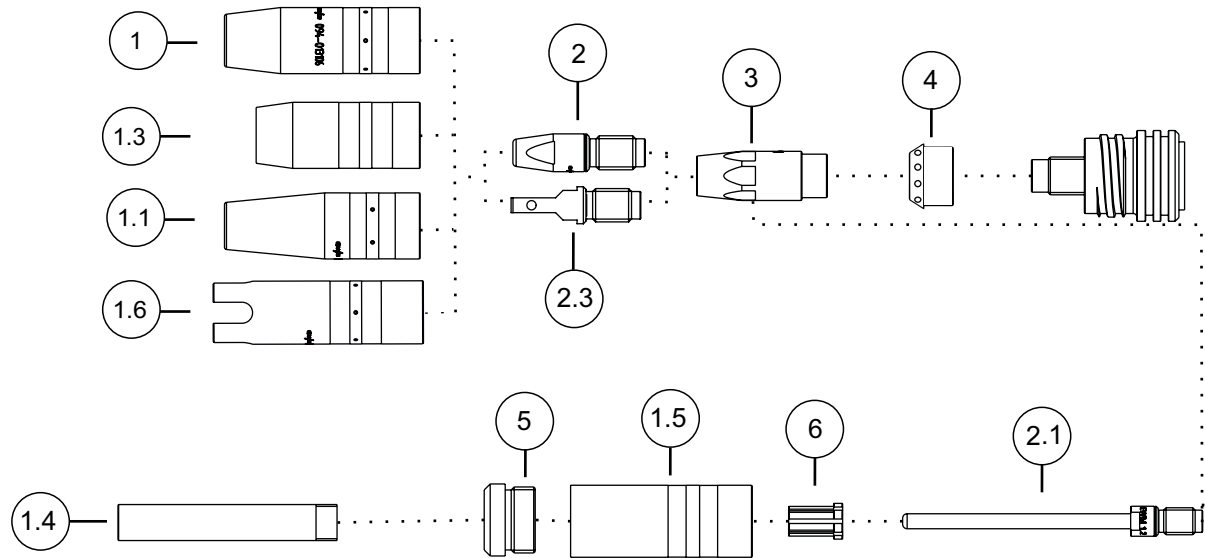


- Torch holder for AMT welding torches, including mounting components

Version suitable for AMT301G, AMT451W, AMT551W

Designation	Item no.	PG	Price
Torch holder suitable for AMT torches	092-019400-00000	B2	134.00 €

Consumables AMT301G



► Euro torch connector ex works. Other connectors on request.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001	B2	8.60 €
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001	B2	8.60 €
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001	B2	8.60 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001	B2	11.28 €
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000	B2	17.60 €
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	B2	6.50 €
1.4	Gas nozzle, narrow gap welding	-	-	-	76	-	10	094-022226-00000	B2	9.20 €
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000	B2	7.62 €
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000	B2	17.51 €
2	Contact nozzle	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2.35 €
2	Contact nozzle	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2.35 €
2	Contact nozzle	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2.35 €
2	Contact nozzle	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2.35 €
2	Contact nozzle	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2.35 €
2	Contact nozzle	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2.35 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1.81 €
2	Contact nozzle	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1.81 €
2	Contact nozzle	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1.81 €
2	Contact nozzle	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1.81 €
2	Contact nozzle	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1.81 €
2	Contact nozzle	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1.81 €
2	Contact nozzle	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1.28 €
2	Contact nozzle	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1.28 €
2	Contact nozzle	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1.28 €

Item	Designation	Nozzle Ø	Wire Ø	Thread	Length	Material	PU	Item no.	PG	Price
		mm	mm		mm		Units			Per unit
2	Contact nozzle	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1.28 €
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	B2	8.20 €
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	B2	10.80 €
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002	B2	5.77 €
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002	B2	5.77 €
3	Contact tip holder	-	-	M8	34.1	CuCrZr	10	094-013109-00002	B2	5.10 €
3	Contact tip holder	-	-	M8	37.1	CuCrZr	10	094-013110-00002	B2	5.10 €
4	Gas diffuser	-	-	-	-	Fibreg- lass- reinforced plastic	10	094-013096-00004	B2	3.85 €
5	Capillary tube	-	-	-	-	-	1	094-019625-00000	B2	21.95 €
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	B2	2.18 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

AMT451W


„Consumables AMT451W“ on page 220

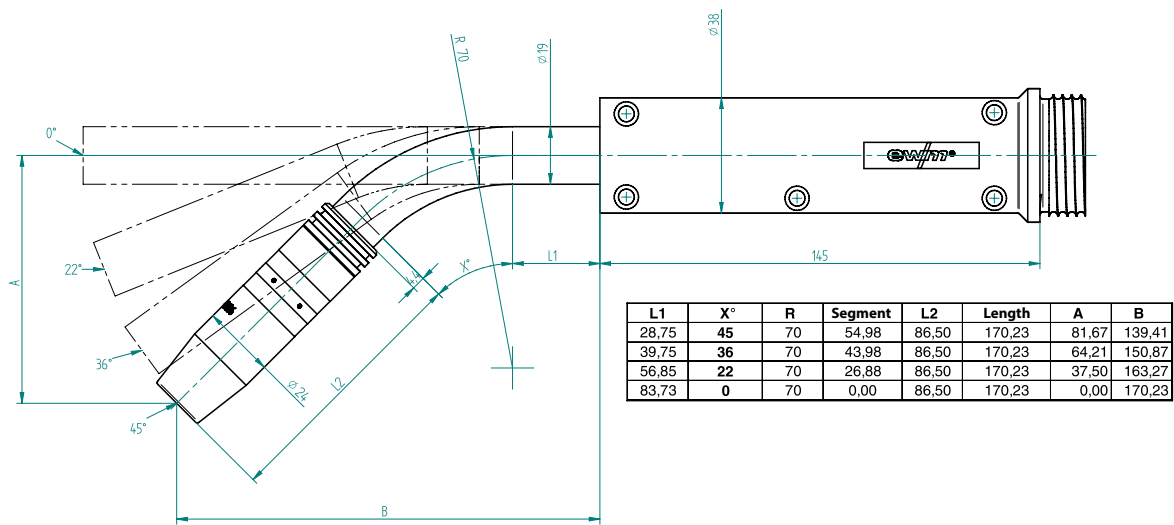
AMT 451W



- Water cooled MIG/MAG welding torch
- Consumables identical to MT451W
- Clamping diameter range 38 mm

Duty cycle CO2	500 A / 100 %
Duty cycle M21	450 A / 100 %
Duty cycle M21 pulse	350 A / 100 %
Wire Ø	0.8 mm - 1.6 mm
Connection	Euro torch connector
Thread, contact tip	M9

Designation	Bend angle torch neck		Item no.	PG	Price	
					Per unit	
Automated MIG/MAG welding torch, water-cooled	0 °	m				
		1.5	094-500065-00015	A1	453.00 €	
		3.0	094-500065-00000	A1	453.00 €	
		4.0	094-500065-00004	A1	475.00 €	
	22 °	5.0	094-500065-00005	A1	495.00 €	
		1.5	094-500066-00015	A1	464.00 €	
		3.0	094-500066-00000	A1	464.00 €	
		4.0	094-500066-00004	A1	485.00 €	
	36 °	5.0	094-500066-00005	A1	507.00 €	
		1.5	094-500067-00015	A1	464.00 €	
		3.0	094-500067-00000	A1	464.00 €	
		4.0	094-500067-00004	A1	485.00 €	
	45 °	5.0	094-500067-00005	A1	507.00 €	
		1.5	094-500068-00015	A1	464.00 €	
		3.0	094-500068-00000	A1	464.00 €	
		4.0	094-500068-00004	A1	485.00 €	
			5.0	094-500068-00005	A1	507.00 €



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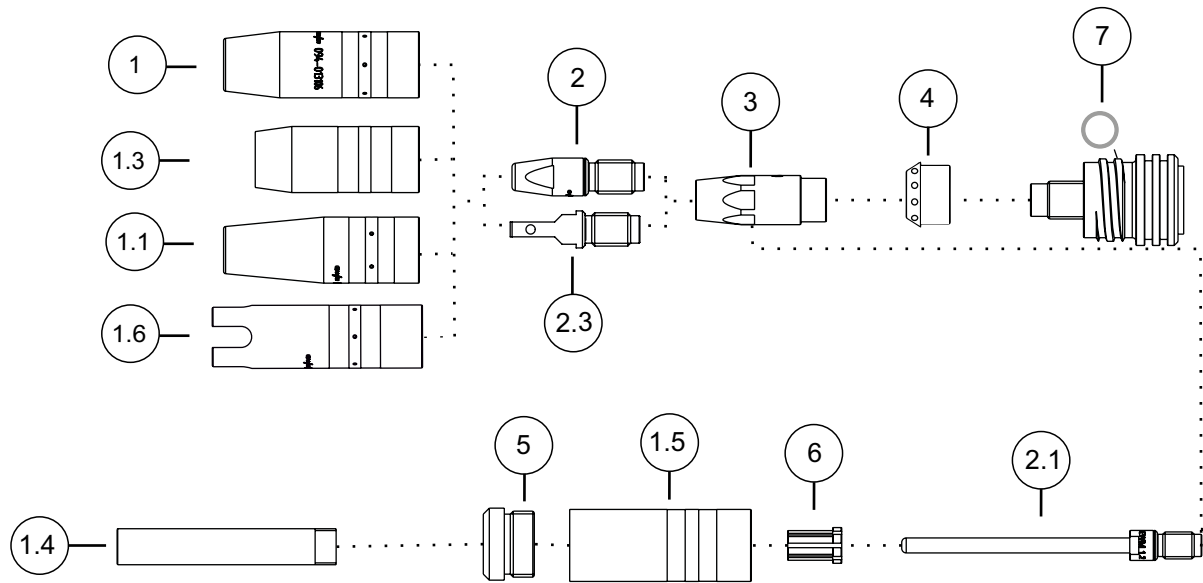
- Torch holder for AMT welding torches, including mounting components



Version suitable for AMT301G, AMT451W, AMT551W

Designation	Item no.	PG	Price
Torch holder suitable for AMT torches	092-019400-00000	B2	134.00 €

Consumables AMT451W



► Euro torch connector ex works. Other connectors on request.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001	B2	8.60 €
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001	B2	8.60 €
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001	B2	8.60 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001	B2	11.28 €
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000	B2	17.60 €
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	B2	6.50 €
1.4	Gas nozzle, narrow gap welding	-	-	-	76	-	10	094-022226-00000	B2	9.20 €
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000	B2	7.62 €
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000	B2	17.51 €
2	Contact nozzle	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2.35 €
2	Contact nozzle	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2.35 €
2	Contact nozzle	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2.35 €
2	Contact nozzle	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2.35 €
2	Contact nozzle	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2.35 €
2	Contact nozzle	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2.35 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1.81 €
2	Contact nozzle	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1.81 €
2	Contact nozzle	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1.81 €
2	Contact nozzle	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1.81 €
2	Contact nozzle	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1.81 €
2	Contact nozzle	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1.81 €
2	Contact nozzle	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1.28 €
2	Contact nozzle	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1.28 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
2	Contact nozzle	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1.28 €
2	Contact nozzle	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1.28 €
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	B2	8.20 €
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	B2	10.80 €
2.3	Forced contact contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.6	M9	35	CuCrZr	10	094-025533-00000	B2	5.80 €
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002	B2	5.77 €
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002	B2	5.77 €
3	Contact tip holder	-	-	M8	34.1	CuCrZr	10	094-013109-00002	B2	5.10 €
3	Contact tip holder	-	-	M8	37.1	CuCrZr	10	094-013110-00002	B2	5.10 €
4	Gas diffuser	-	-	-	-	Fibreg- lass- reinforced plastic	10	094-013096-00004	B2	3.85 €
5	Capillary tube	-	-	-	-	-	1	094-019625-00000	B2	21.95 €
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	B2	2.18 €
7	O-Ring for gas nozzle holder	-	-	-	-	-	10	094-025089-00000	B2	0.36 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

AMT551W


„Consumables AMT551W“ on page 224

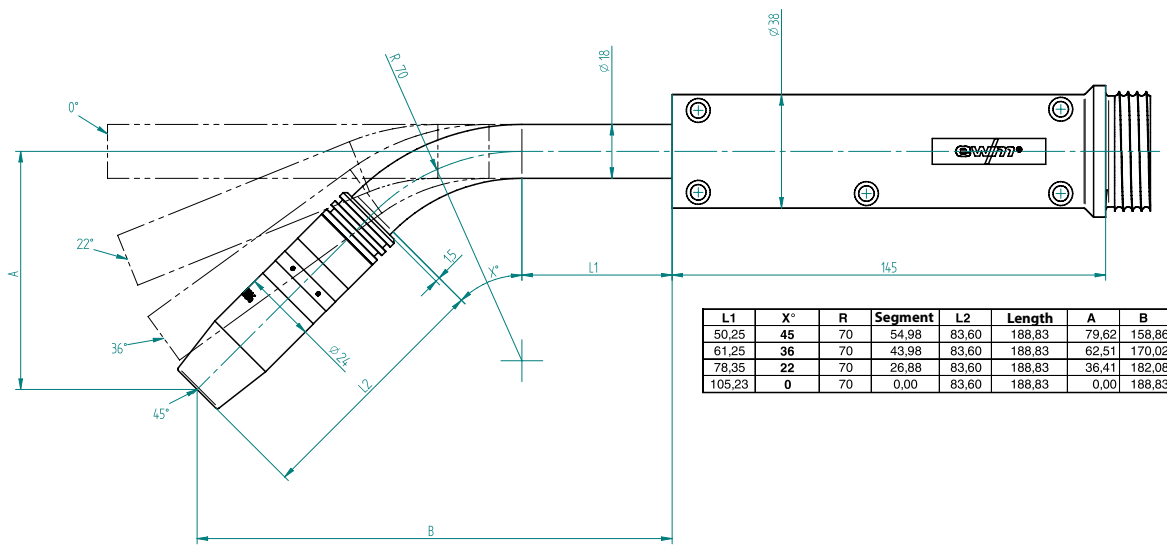
AMT 551W



- Water cooled MIG/MAG welding torch
- Consumables identical to MT551W
- Clamping diameter range 38 mm

Duty cycle CO2	650 A / 100 %
Duty cycle M21	550 A / 100 %
Duty cycle M21 pulse	500 A / 100 %
Wire Ø	0.8 mm - 2 mm
Connection	-
Thread, contact tip	M9

Designation	Bend angle torch neck	 m	Item no.	PG	Price
					Per unit
Automated MIG/MAG welding torch, water-cooled	0°	1.5	094-500069-00015	A1	534.00 €
		3.0	094-500069-00000	A1	534.00 €
		4.0	094-500069-00004	A1	554.00 €
		5.0	094-500069-00005	A1	576.00 €
	22°	1.5	094-500070-00015	A1	544.00 €
		3.0	094-500070-00000	A1	544.00 €
		4.0	094-500070-00004	A1	565.00 €
		5.0	094-500070-00005	A1	586.00 €
	36°	1.5	094-500071-00015	A1	544.00 €
		3.0	094-500071-00000	A1	544.00 €
		4.0	094-500071-00004	A1	565.00 €
		5.0	094-500071-00005	A1	586.00 €
	45°	1.5	094-500072-00015	A1	544.00 €
		3.0	094-500072-00000	A1	544.00 €
		4.0	094-500072-00004	A1	565.00 €
		5.0	094-500072-00005	A1	586.00 €



BH AMT D=38MM

- Torch holder for AMT welding torches, including mounting components

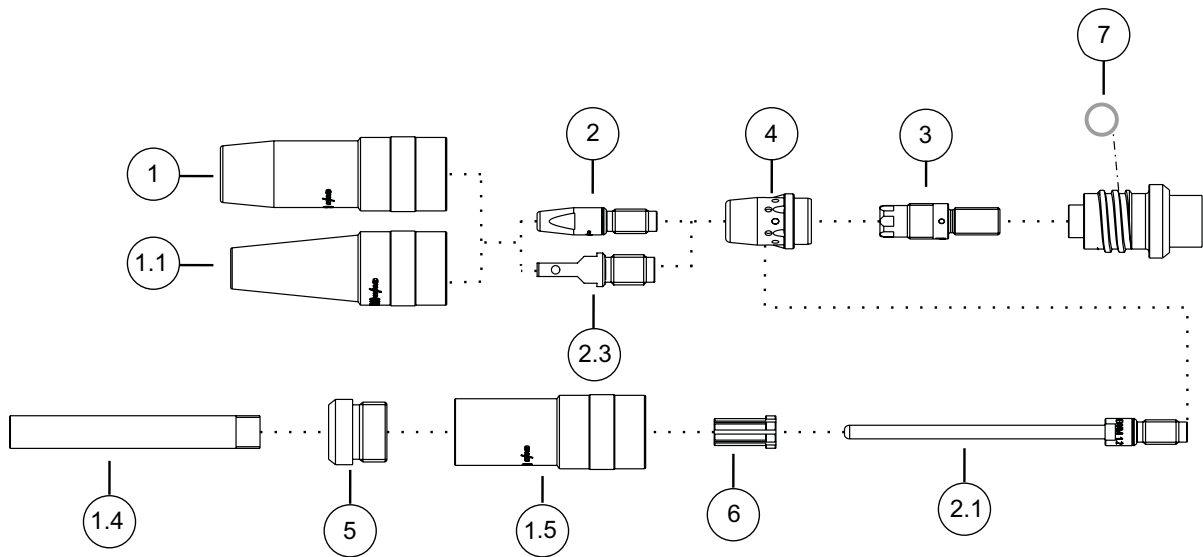


Version suitable for AMT301G, AMT451W, AMT551W

Designation	Item no.	PG	Price
Torch holder suitable for AMT torches	092-019400-00000	B2	134.00 €



Consumables AMT551W



► Euro torch connector ex works. Other connectors on request.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU	Item no.	PG	Price Per unit
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001	B2	9.99 €
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001	B2	9.99 €
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001	B2	9.99 €
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001	B2	9.99 €
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001	B2	9.99 €
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001	B2	9.99 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000	B2	12.67 €
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	66	-	1	094-022227-00000	B2	11.07 €
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	B2	6.50 €
1.4	Gas nozzle, narrow gap welding	-	-	-	76	-	10	094-022226-00000	B2	9.20 €
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000	B2	10.15 €
2	Contact nozzle	-	0.8	M9	35	CuCrZr	10	094-013528-00001	B3	2.35 €
2	Contact nozzle	-	0.9	M9	35	CuCrZr	10	094-013529-00001	B3	2.35 €
2	Contact nozzle	-	1	M9	35	CuCrZr	10	094-013530-00001	B3	2.35 €
2	Contact nozzle	-	1.2	M9	35	CuCrZr	10	094-013531-00001	B3	2.35 €
2	Contact nozzle	-	1.4	M9	35	CuCrZr	10	094-013532-00001	B3	2.35 €
2	Contact nozzle	-	1.6	M9	35	CuCrZr	10	094-013533-00001	B3	2.35 €
2	Contact nozzle	-	2	M9	35	CuCrZr	10	094-013534-00001	B3	2.74 €
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00001	B3	2.13 €
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00001	B3	2.25 €
2	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	10	094-016115-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	0.9	M8	30	E-Cu	10	094-016116-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1	M8	30	E-Cu	10	094-016117-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	10	094-016118-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.4	M8	30	E-Cu	10	094-016119-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	094-016120-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	2	M8	30	E-Cu	10	094-016920-00000	B3	1.28 €
2	Contact nozzle	-	0.8	M8	30	CuCrZr	10	094-014024-00000	B3	1.81 €
2	Contact nozzle	-	0.9	M8	30	CuCrZr	10	094-013129-00000	B3	1.81 €
2	Contact nozzle	-	1	M8	30	CuCrZr	10	094-014222-00000	B3	1.81 €

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU	Item no.	PG	Price Per unit
2	Contact nozzle	-	1.2	M8	30	CuCrZr	10	094-013113-00000	B3	1.81 €
2	Contact nozzle	-	1.4	M8	30	CuCrZr	10	094-014191-00000	B3	1.81 €
2	Contact nozzle	-	1.6	M8	30	CuCrZr	10	094-014192-00000	B3	1.81 €
2	Contact nozzle	-	2	M8	30	CuCrZr	10	094-014193-00000	B3	1.81 €
2	Contact nozzle	-	0.8	M8	30	E-Cu	10	094-016109-00000	B3	1.28 €
2	Contact nozzle	-	0.9	M8	30	E-Cu	10	094-016110-00000	B3	1.28 €
2	Contact nozzle	-	1	M8	30	E-Cu	10	094-016111-00000	B3	1.28 €
2	Contact nozzle	-	1.2	M8	30	E-Cu	10	094-007238-00000	B3	1.28 €
2	Contact nozzle	-	1.4	M8	30	E-Cu	10	094-016112-00000	B3	1.28 €
2	Contact nozzle	-	1.6	M8	30	E-Cu	10	094-016113-00000	B3	1.28 €
2	Contact nozzle	-	2	M8	30	E-Cu	10	094-016114-00000	B3	1.28 €
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	B2	10.80 €
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	B2	8.20 €
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	B2	10.80 €
2.3	Forced contact contact tip	-	1	M9	35	CuCrZr	10	094-017007-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.2	M9	35	CuCrZr	10	094-016159-00001	B2	5.80 €
2.3	Forced contact contact tip	-	1.6	M9	35	CuCrZr	10	094-025533-00000	B2	5.80 €
3	Contact tip holder	-	-	M8	34.5	CuCrZr	10	094-015489-00003	B2	5.20 €
3	Contact tip holder	-	-	M8	37.5	CuCrZr	10	094-016018-00003	B2	5.20 €
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003	B2	5.95 €
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003	B2	5.95 €
4	Gas diffuser	20.2	-	-	25	Plastic	10	094-013111-00002	B2	3.45 €
5	Capillary tube	-	-	-	-	-	1	094-019625-00000	B2	21.95 €
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	B2	2.18 €
7	O-Ring for gas nozzle holder	-	-	-	-	-	10	094-022875-00000	B2	0.98 €
-	Torch key	-	-	-	-	-	1	094-016038-00001	B2	1.01 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0.32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6.30 €

MIG/MAG welding torches - UM welding torches

UM 15 G	228
UM 24 G	230
UM 25 G	232
UM 36 G	234
UM 240 W	236
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UM 501 W	238


UM welding torches

UM 15 G

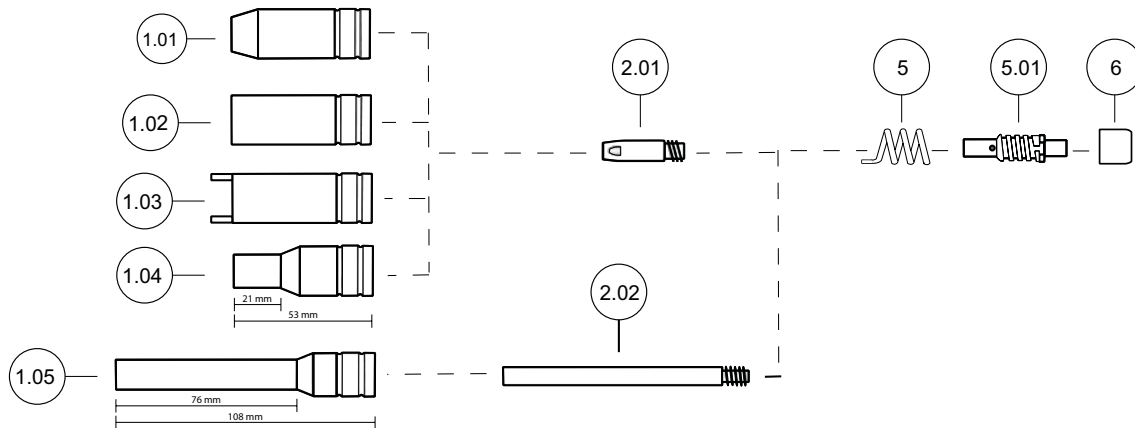


- Light MIG/MAG standard welding torch
- Ergonomic grip
- Anti-kink spring on the connection
- Type-related standard consumables
- **Equipment as supplied (steel wire):**
- Gas nozzle, conical, Ø 12 mm; 53 mm
- Contact tip M6 x 25 mm; Ø 0.8 mm
- Contact tip holder M6

Duty cycle CO2	180 A / 60 %
Duty cycle M21	150 A / 60 %
Wire Ø	0.6 mm - 1 mm
Torch connection	Euro torch connector
Approvals	CE sign

Designation		Item no.	PG	Price
	m			Per unit
MIG/MAG welding torch, gas-cooled	3.0	394-600000-00000	B4	57,00 €
	4.0	394-600000-00004	B4	72,00 €
	5.0	394-600000-00005	B4	75,00 €

Consumables



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.01	Gas nozzle, highly conical	9.5	-	-	53	Copper, nickel-plated	10	394-001212-00000	HW15	1,71 €
1.01	Gas nozzle, conical	12	-	-	53	Copper, nickel-plated	10	394-000472-00000	HW15	1,71 €
1.02	Gas nozzle, cylindrical	16	-	-	53	Copper, nickel-plated	10	394-000211-00000	HW15	1,71 €
1.03	Spot welding nozzle, plug fitting	16	-	-	60	Copper, nickel-plated	10	394-000213-00000	HW11	4,00 €
1.04	Narrow-gap gas nozzle with cylinder, plug fitting	10	-	-	53	-	1	394-002526-00000	HW11	9,20 €
1.05	Narrow-gap gas nozzle with cylinder, plug fitting	10	-	-	108	-	1	394-000212-00000	HW11	24,00 €
2.01	Contact nozzle	-	0.6	M6	25	E-Cu	20	394-003654-00000	HW15	0,34 €
2.01	Contact nozzle	-	0.8	M6	25	E-Cu	20	394-001087-00000	HW15	0,34 €
2.01	Contact nozzle	-	1	M6	25	E-Cu	20	394-001086-00000	HW15	0,34 €
2.02	Narrow-gap contact tip	-	1	M6	83	E-Cu	1	394-000707-00000	HW11	8,10 €
5	Retaining spring	-	-	M6	-	-	20	094-023061-00000	HW15	0,38 €
5.01	Contact tip holder	-	-	M6	-	-	10	094-023060-00000	HW15	1,49 €
6	Stop nut	-	-	-	15	-	10	094-023552-00000	B2	0,99 €
-	Centring tool for narrow-gap contact tip	-	-	-	-	-	1	394-000469-00000	HW11	8,05 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0,32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6,30 €


UM welding torches

UM 24 G

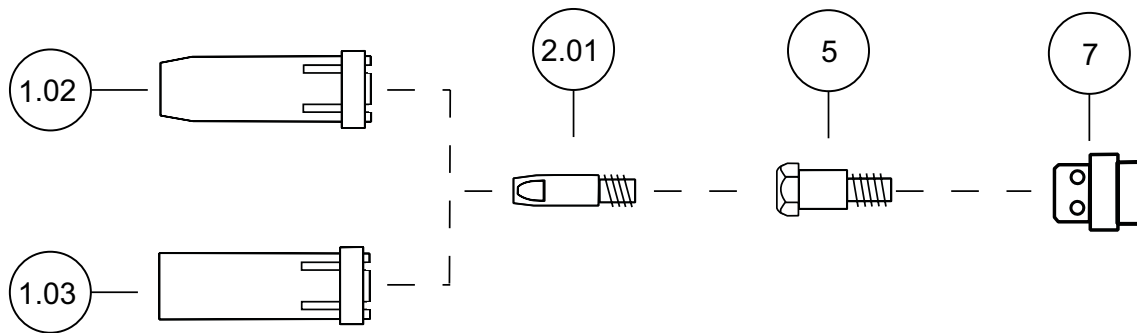


- Gas-cooled standard MIG/MAG welding torch
- Ergonomic grip with ball joint
- Anti-kink spring on both the welding torch and the connection
- Type-related standard consumables
- **Equipment as supplied (steel wire Ø 1.0):**
- Gas nozzle, conical, Ø 12.5 mm; 63.5 mm
- Gas diffuser, 20 mm
- Contact tip M6 x 28 mm; Ø 1.0 mm
- Contact tip holder M6 x 26 mm

Duty cycle CO2	250 A / 60 %
Duty cycle M21	220 A / 60 %
Wire Ø	0.6 mm - 1.2 mm
Torch connection	Euro torch connector
Approvals	CE sign

Designation	 m	Item no.	PG	Price
				Per unit
MIG/MAG welding torch, gas-cooled	3.0	394-600001-00000	B4	83,00 €
	4.0	394-600001-00004	B4	93,00 €
	5.0	394-600001-00005	B4	103,00 €

Consumables



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.02	Gas nozzle, conical	12.5	-	-	63.5	Copper, nickel-plated	10	394-000361-00000	HW15	3,20 €
1.02	Gas nozzle, highly conical	10	-	-	63.5	Copper, nickel-plated	10	394-001234-00000	HW15	3,20 €
1.03	Gas nozzle, cylindrical	17	-	-	63.5	Copper, nickel-plated	10	394-000362-00000	HW15	3,20 €
2.01	Contact nozzle	-	0.8	M6	28	E-Cu	20	394-001191-00000	HW15	0,47 €
2.01	Contact nozzle	-	1	M6	28	E-Cu	20	394-001228-00000	HW15	0,47 €
2.01	Contact nozzle	-	1.2	M6	28	E-Cu	20	394-001229-00000	HW15	0,47 €
2.01	Contact nozzle	-	0.8	M6	28	CuCrZr	20	394-005407-00000	HW15	0,85 €
2.01	Contact nozzle	-	1	M6	28	CuCrZr	20	394-003339-00000	HW15	0,85 €
2.01	Contact nozzle	-	1.2	M6	28	CuCrZr	20	394-005224-00000	HW15	0,85 €
2.01	Contact tip, aluminium welding	-	0.8	M6	28	Copper	20	394-016105-00000	HW15	0,54 €
2.01	Contact tip, aluminium welding	-	1	M6	28	Copper	20	394-016107-00000	HW15	0,54 €
2.01	Contact tip, aluminium welding	-	1.2	M6	28	Copper	20	394-016108-00000	HW15	0,54 €
5	Contact tip holder	-	-	M6	26	Brass	10	394-000363-00000	HW15	1,17 €
7	Gas diffuser	-	-	-	-	-	10	394-000360-00000	HW15	1,02 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0,32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6,30 €


UM welding torches

UM 25 G

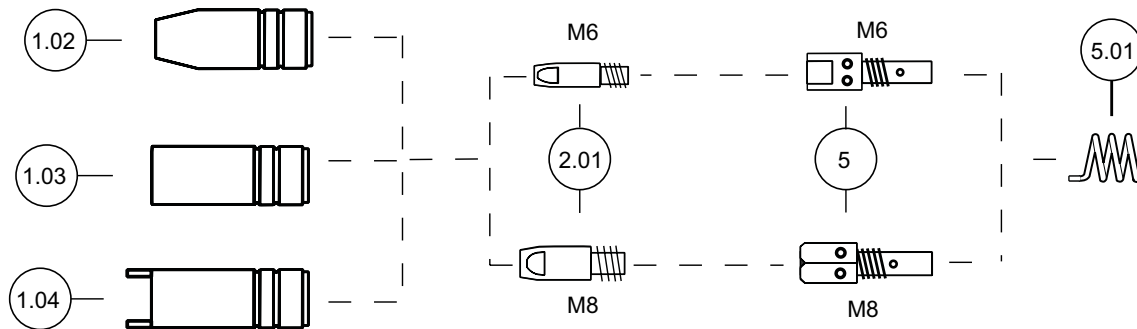


- Gas-cooled standard MIG/MAG welding torch
- Ergonomic grip with ball joint
- Anti-kink spring on both the welding torch and the connection
- Type-related standard consumables
- **Equipment as supplied (steel wire Ø 1.0):**
- Gas nozzle, conical, Ø 15 mm; 57 mm
- Contact tip M6 x 28 mm; Ø 1.0 mm
- Contact tip holder M6 x 35 mm

Duty cycle CO2	230 A / 60 %
Duty cycle M21	200 A / 60 %
Wire Ø	0.6 mm - 1.2 mm
Torch connection	Euro torch connector
Approvals	CE sign

Designation		Item no.	PG	Price
	m			Per unit
MIG/MAG welding torch, gas-cooled	3.0	394-600002-00000	B4	78,00 €
	4.0	394-600002-00004	B4	97,00 €
	5.0	394-600002-00005	B4	99,00 €

Consumables



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.02	Gas nozzle, highly conical	11.5	-	-	57	Copper, nickel-plated	10	394-001647-00000	HW15	2,55 €
1.02	Gas nozzle, conical	15	-	-	57	Copper, nickel-plated	10	394-000369-00000	HW15	2,55 €
1.03	Gas nozzle, cylindrical	18.5	-	-	57	Copper, nickel-plated	10	394-000371-00000	HW15	2,55 €
1.04	Spot gas nozzle	18	-	-	66	Copper, nickel-plated	10	394-000373-00000	HW11	5,56 €
2.01	Contact nozzle	-	0.8	M6	28	E-Cu	20	394-001191-00000	HW15	0,47 €
2.01	Contact nozzle	-	1	M6	28	E-Cu	20	394-001228-00000	HW15	0,47 €
2.01	Contact nozzle	-	1.2	M6	28	E-Cu	20	394-001229-00000	HW15	0,47 €
2.01	Contact nozzle	-	0.8	M6	28	CuCrZr	20	394-005407-00000	HW15	0,85 €
2.01	Contact nozzle	-	1	M6	28	CuCrZr	20	394-003339-00000	HW15	0,85 €
2.01	Contact nozzle	-	1.2	M6	28	CuCrZr	20	394-005224-00000	HW15	0,85 €
2.01	Contact nozzle	-	0.8	M8	30	E-Cu	20	394-000447-00000	HW15	0,74 €
2.01	Contact nozzle	-	1	M8	30	E-Cu	20	394-000941-00000	HW15	0,74 €
2.01	Contact nozzle	-	1.2	M8	30	E-Cu	20	394-000942-00000	HW15	0,74 €
2.01	Contact nozzle	-	0.8	M8	30	CuCrZr	20	394-014024-00000	HW15	1,26 €
2.01	Contact nozzle	-	1	M8	30	CuCrZr	20	394-000450-00000	HW15	1,26 €
2.01	Contact nozzle	-	1.2	M8	30	CuCrZr	20	394-000452-00000	HW15	1,26 €
2.01	Contact tip, aluminium welding	-	0.8	M6	28	Copper	20	394-016105-00000	HW15	0,54 €
2.01	Contact tip, aluminium welding	-	1	M6	28	Copper	20	394-016107-00000	HW15	0,54 €
2.01	Contact tip, aluminium welding	-	1.2	M6	28	Copper	20	394-016108-00000	HW15	0,54 €
2.01	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	20	394-016115-00000	HW15	0,66 €
2.01	Contact tip, aluminium welding	-	1	M8	30	E-Cu	20	394-016117-00000	HW15	0,66 €
2.01	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	20	394-016118-00000	HW15	0,66 €
5	Contact tip holder	-	-	M6	35	-	10	394-001823-00000	HW15	1,28 €
5	Contact tip holder	-	-	M8	35	-	10	394-000375-00000	HW11	1,56 €
5.01	Retaining spring	-	-	-	-	-	20	394-003656-00000	HW15	0,34 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0,32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6,30 €


UM welding torches

UM 36 G

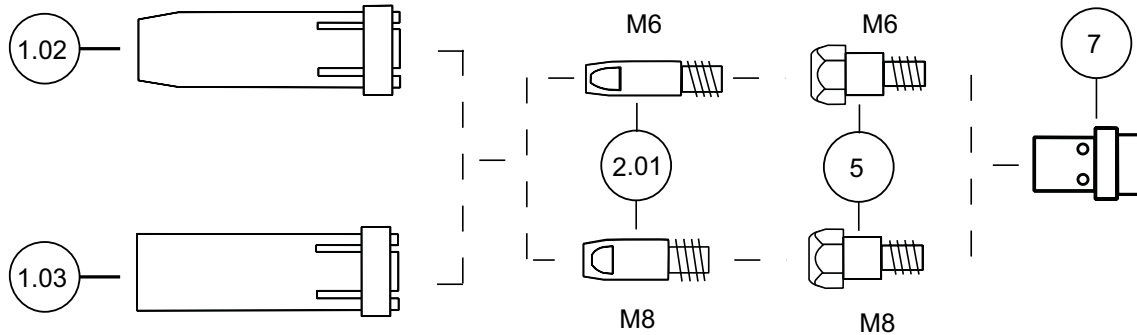


- Gas-cooled standard MIG/MAG welding torch
- Ergonomic grip with ball joint
- Anti-kink spring on both the welding torch and the connection
- Type-related standard consumables
- **Equipment as supplied (steel wire Ø 1.2):**
- Gas nozzle, conical, Ø 16 mm; 84 mm
- Gas diffuser, 32.5 mm
- Contact tip M8 x 30 mm; Ø 1.2 mm
- Contact tip holder M8 x 35 mm

Duty cycle CO2	300 A / 60 %
Duty cycle M21	270 A / 60 %
Wire Ø	0.8 mm - 1.4 mm
Torch connection	Euro torch connector
Approvals	CE sign

Designation		Item no.	PG	Price
	m			Per unit
MIG/MAG welding torch, gas-cooled	3.0	394-600003-00000	B4	113,00 €
	4.0	394-600003-00004	B4	131,00 €
	5.0	394-600003-00005	B4	142,00 €

Consumables



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.02	Gas nozzle, highly conical	12	-	-	84	Copper, nickel-plated	10	394-001241-00000	HW15	3,94 €
1.02	Gas nozzle, conical	16	-	-	84	Copper, nickel-plated	10	394-000431-00000	HW15	3,94 €
1.03	Gas nozzle, cylindrical	19	-	-	84	Copper, nickel-plated	10	394-000432-00000	HW15	3,94 €
2.01	Contact nozzle	-	0.8	M6	28	E-Cu	20	394-001191-00000	HW15	0,47 €
2.01	Contact nozzle	-	1	M6	28	E-Cu	20	394-001228-00000	HW15	0,47 €
2.01	Contact nozzle	-	1.2	M6	28	E-Cu	20	394-001229-00000	HW15	0,47 €
2.01	Contact nozzle	-	0.8	M6	28	CuCrZr	20	394-005407-00000	HW15	0,85 €
2.01	Contact nozzle	-	1	M6	28	CuCrZr	20	394-003339-00000	HW15	0,85 €
2.01	Contact nozzle	-	1.2	M6	28	CuCrZr	20	394-005224-00000	HW15	0,85 €
2.01	Contact nozzle	-	0.8	M8	30	E-Cu	20	394-000447-00000	HW15	0,74 €
2.01	Contact nozzle	-	1	M8	30	E-Cu	20	394-000941-00000	HW15	0,74 €
2.01	Contact nozzle	-	1.2	M8	30	E-Cu	20	394-000942-00000	HW15	0,74 €
2.01	Contact nozzle	-	0.8	M8	30	CuCrZr	20	394-014024-00000	HW15	1,26 €
2.01	Contact nozzle	-	1	M8	30	CuCrZr	20	394-000450-00000	HW15	1,26 €
2.01	Contact nozzle	-	1.2	M8	30	CuCrZr	20	394-000452-00000	HW15	1,26 €
2.01	Contact nozzle	-	1.4	M8	30	CuCrZr	20	394-000455-00000	HW15	1,26 €
2.01	Contact tip, aluminium welding	-	0.8	M6	28	Copper	20	394-016105-00000	HW15	0,54 €
2.01	Contact tip, aluminium welding	-	1	M6	28	Copper	20	394-016107-00000	HW15	0,54 €
2.01	Contact tip, aluminium welding	-	1.2	M6	28	Copper	20	394-016108-00000	HW15	0,54 €
2.01	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	20	394-016115-00000	HW15	0,66 €
2.01	Contact tip, aluminium welding	-	1	M8	30	E-Cu	20	394-016117-00000	HW15	0,66 €
2.01	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	20	394-016118-00000	HW15	0,66 €
5	Contact tip holder	-	-	M6	28	Brass	10	394-000433-00000	HW15	1,04 €
5	Contact tip holder	-	-	M8	28	Brass	10	394-000434-00000	HW15	1,39 €
7	Gas diffuser	-	-	-	32.5	-	10	394-012572-00000	HW15	1,07 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0,32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6,30 €


UM welding torches

UM 240 W

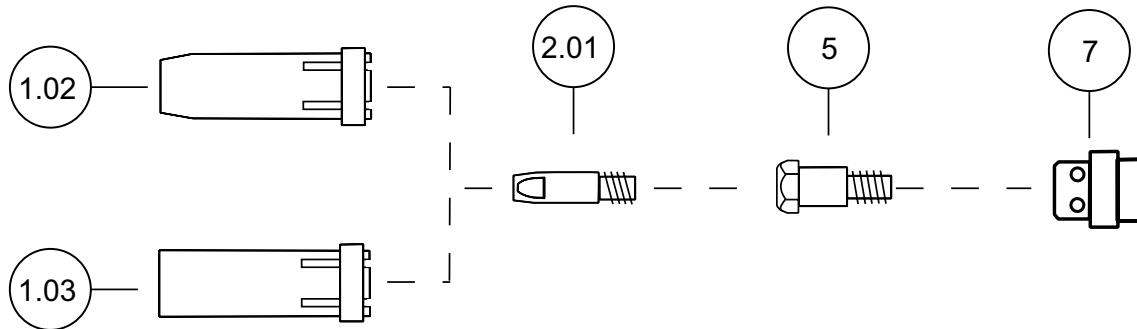


- Water-cooled standard MIG/MAG welding torch
- Ergonomic grip with ball joint
- Anti-kink spring on both the welding torch and the connection
- Type-related standard consumables
- **Equipment as supplied (steel wire Ø 1.0):**
- Gas nozzle, conical, Ø 12.5 mm; 63.5 mm
- Gas diffuser, 20 mm
- Contact tip M6 x 28 mm; Ø 1.0 mm
- Contact tip holder M6 x 26 mm

Duty cycle CO2	300 A / 100 %
Duty cycle M21	270 A / 100 %
Wire Ø	0.6 mm - 1.2 mm
Torch connection	Euro torch connector
Approvals	CE sign

Designation		Item no.	PG	Price
	m			Per unit
MIG/MAG welding torch, water-cooled	3.0	394-600010-00000	B4	177,00 €
	4.0	394-600010-00004	B4	198,00 €
	5.0	394-600010-00005	B4	217,00 €

Consumables



Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.02	Gas nozzle, conical	12.5	-	-	63.5	Copper, nickel-plated	10	394-000361-00000	HW15	3,20 €
1.02	Gas nozzle, highly conical	10	-	-	63.5	Copper, nickel-plated	10	394-001234-00000	HW15	3,20 €
1.03	Gas nozzle, cylindrical	17	-	-	63.5	Copper, nickel-plated	10	394-000362-00000	HW15	3,20 €
2.01	Contact nozzle	-	0.8	M6	28	E-Cu	20	394-001191-00000	HW15	0,47 €
2.01	Contact nozzle	-	1	M6	28	E-Cu	20	394-001228-00000	HW15	0,47 €
2.01	Contact nozzle	-	1.2	M6	28	E-Cu	20	394-001229-00000	HW15	0,47 €
2.01	Contact nozzle	-	0.8	M6	28	CuCrZr	20	394-005407-00000	HW15	0,85 €
2.01	Contact nozzle	-	1	M6	28	CuCrZr	20	394-003339-00000	HW15	0,85 €
2.01	Contact nozzle	-	1.2	M6	28	CuCrZr	20	394-005224-00000	HW15	0,85 €
2.01	Contact tip, aluminium welding	-	0.8	M6	28	Copper	20	394-016105-00000	HW15	0,54 €
2.01	Contact tip, aluminium welding	-	1	M6	28	Copper	20	394-016107-00000	HW15	0,54 €
2.01	Contact tip, aluminium welding	-	1.2	M6	28	Copper	20	394-016108-00000	HW15	0,54 €
5	Contact tip holder	-	-	M6	26	Brass	10	394-000363-00000	HW15	1,17 €
7	Gas diffuser	-	-	-	-	-	10	394-000360-00000	HW15	1,02 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0,32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6,30 €


UM welding torches

UM 401 W



- Water-cooled standard MIG/MAG welding torch
- Ergonomic grip with ball joint
- Anti-kink spring on both the welding torch and the connection
- Type-related standard consumables
- **Equipment as supplied (steel wire Ø 1.2):**
- Gas nozzle, conical, Ø 16 mm; 76 mm
- Gas diffuser, "Longlife", 28 mm
- Contact tip M8 x 30 mm; Ø 1.2 mm
- Contact tip holder M8 x 25 mm

Duty cycle CO2	400 A / 100 %
Duty cycle M21	350 A / 100 %
Wire Ø	0.8 mm - 1.6 mm
Torch connection	Euro torch connector
Approvals	CE sign


Designation		Item no.	PG	Price
	m			Per unit
MIG/MAG welding torch, water-cooled	3.0	394-600011-00000	B4	177,00 €
	4.0	394-600011-00004	B4	198,00 €
	5.0	394-600011-00005	B4	217,00 €

UM 501 W

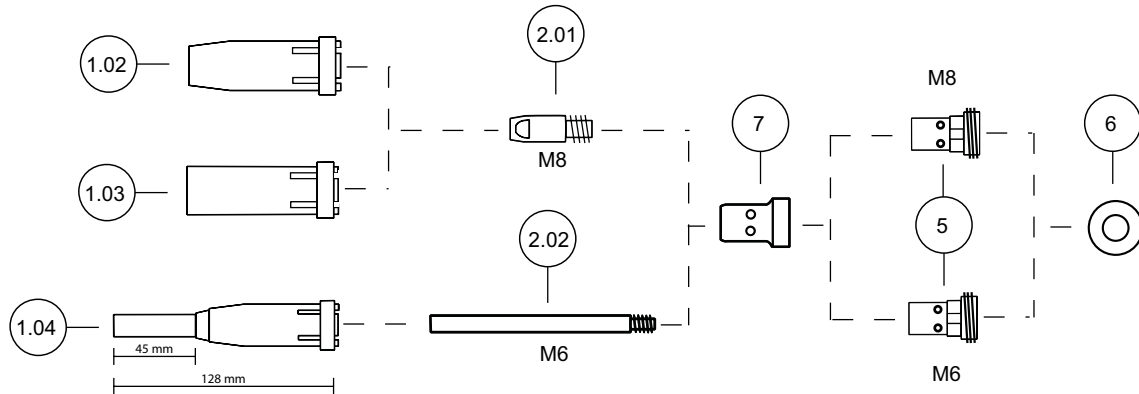


- Water-cooled standard MIG/MAG welding torch
- Ergonomic grip with ball joint
- Anti-kink spring on both the welding torch and the connection
- Type-related standard consumables
- **Equipment as supplied (steel wire Ø 1.2):**
- Gas nozzle, conical, Ø 16 mm; 76 mm
- Gas diffuser, "Longlife", 28 mm
- Contact tip M8 x 30 mm; Ø 1.2 mm
- Contact tip holder M8 x 25 mm

Duty cycle CO2	500 A / 100 %
Duty cycle M21	450 A / 100 %
Wire Ø	0.8 mm - 1.6 mm
Torch connection	Euro torch connector
Approvals	CE sign

Designation		Item no.	PG	Price
	m			Per unit
MIG/MAG welding torch, water-cooled	3.0	394-600012-00000	B4	187,00 €
	4.0	394-600012-00004	B4	208,00 €
	5.0	394-600012-00005	B4	227,00 €

Consumables



Item	Designation	Nozzle Ø	Wire Ø	Thread	Length	Material	PU	Item no.	PG	Price
		mm	mm		mm					
1.02	Gas nozzle, highly conical	14	-	-	76	Copper	10	394-000436-00000	HW15	3,65 €
1.02	Gas nozzle, conical	16	-	-	76	Copper	10	394-000435-00000	HW15	3,65 €
1.03	Gas nozzle, cylindrical	19	-	-	76	Copper	10	394-000437-00000	HW15	3,65 €
1.04	Narrow-gap gas nozzle	11	-	-	128	-	1	394-000711-00000	HW11	31,00 €
2.01	Contact nozzle	-	0.8	M8	30	E-Cu	20	394-000447-00000	HW15	0,74 €
2.01	Contact nozzle	-	1	M8	30	E-Cu	20	394-000941-00000	HW15	0,74 €
2.01	Contact nozzle	-	1.2	M8	30	E-Cu	20	394-000942-00000	HW15	0,74 €
2.01	Contact nozzle	-	1.6	M8	30	E-Cu	10	394-000456-00000	HW15	0,74 €
2.01	Contact nozzle	-	0.8	M8	30	CuCrZr	20	394-014024-00000	HW15	1,26 €
2.01	Contact nozzle	-	1	M8	30	CuCrZr	20	394-000450-00000	HW15	1,26 €
2.01	Contact nozzle	-	1.2	M8	30	CuCrZr	20	394-000452-00000	HW15	1,26 €
2.01	Contact nozzle	-	1.6	M8	30	CuCrZr	10	394-000458-00000	HW15	1,26 €
2.01	Contact tip, aluminium welding	-	0.8	M8	30	E-Cu	20	394-016115-00000	HW15	0,66 €
2.01	Contact tip, aluminium welding	-	1	M8	30	E-Cu	20	394-016117-00000	HW15	0,66 €
2.01	Contact tip, aluminium welding	-	1.2	M8	30	E-Cu	20	394-016118-00000	HW15	0,66 €
2.01	Contact tip, aluminium welding	-	1.6	M8	30	E-Cu	10	394-016120-00000	HW15	0,66 €
2.02	Narrow-gap contact tip	-	1	M6	83	E-Cu	1	394-000707-00000	HW11	8,10 €
2.02	Narrow-gap contact tip	-	1.2	M6	83	E-Cu	1	394-003059-00000	HW11	8,10 €
5	Contact tip holder	-	-	M6	25	Brass	1	394-000439-00000	HW11	1,55 €
5	Contact tip holder	-	-	M8	25	Brass	10	394-000438-00000	HW15	1,22 €
6	Insulating disk	-	-	-	-	-	20	394-000761-00000	HW11	0,30 €
7	Gas diffuser	-	-	-	28	-	10	394-000948-00000	HW15	0,54 €
7	Gas diffuser, long life	-	-	-	28	-	10	394-011628-00000	HW15	1,28 €
7	Gas diffuser, ceramic	-	-	-	28	-	10	394-000959-00000	HW11	1,10 €
-	Centring tool for narrow-gap contact tip	-	-	-	-	-	1	394-000469-00000	HW11	8,05 €
-	O-Ring for Euro torch connector	-	-	-	-	-	20	094-013967-00000	B2	0,32 €
-	O-Ring Picker	-	-	-	-	-	1	098-005149-00000	B2	6,30 €



MIG/MAG consumables

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Gas nozzles - PM/MT series

PM/MT 221G / 301W



- Screw-on gas nozzle, fits MT221G and MT301W torch series
- Made from nickel-plated copper

Length		66 mm				
Designation	Nozzle Ø mm	PU Units	PE	Item no.	PG	Price
Gas nozzle	11.0	10	Per unit	094-013062-00001	B2	7,03 €
	13.0			094-013061-00001	B2	7,03 €
	16.0			094-013063-00001	B2	7,03 €
	11.0	2	Per packing unit	094-013062-90002	B2	15,70 €
	13.0			094-013061-90002	B2	15,70 €
	16.0			094-013063-90002	B2	15,70 €

GD PM/MT 221G/301W FL



- Screw-on gas nozzle for narrow gap welding; fits MT221G and MT301W torch series
- Made from nickel-plated copper

Length		68 mm				
Nozzle Ø		10.5 mm				
Designation	PU Units	PE	Item no.	PG	Price Per unit	
Gas nozzle, cylinder neck	10		094-020136-00000	B2	20,10 €	

PM/MT 221G / 301W FCW



- Screw-on gas nozzle for flux cored wire welding; fits MT221G and MT301W torch series
- Made from nickel-plated copper

Length		58 mm				
Standards		60 974-7				
Designation	PU Units	PE	Item no.	PG	Price	
Gas nozzle, Innershield	10	Per unit	094-013644-00000	B2	14,40 €	
	2	Per packing unit	094-013644-90002	B2	30,40 €	

PM/MT 221G / 301W SGN



- Screw-on spot welding nozzle, suitable for MT221G and MT301W torch series
- Made from nickel-plated copper

Length		75 mm				
Nozzle Ø		18 mm				
Standards		60 974-7				
Designation	PU Units	PE	Item no.	PG	Price Per unit	
Spot gas nozzle	10		094-020944-00000	B2	15,45 €	

PM/MT 301G / MT451W



- Screw-on gas nozzle, fits MT301G and MT451W torch series
- Made from nickel-plated copper

Length 71 mm

Designation	Nozzle Ø	Length	PU	PE	Item no.	PG	Price
	mm						
Gas nozzle, short	15.0	65	10	Per unit	094-019821-00001	B2	7,42 €
	18.0				094-019822-00001	B2	7,42 €
	13.0				094-013105-00001	B2	8,60 €
Gas nozzle	15.0	71	2	Per packing unit	094-013106-00001	B2	8,60 €
	18.0				094-013107-00001	B2	8,60 €
	13.0				094-013105-90002	B2	18,85 €
	15.0				094-013106-90002	B2	18,85 €
	18.0				094-013107-90002	B2	18,85 €

GN ES PM/MT 301G/451W



- Screw-on gas nozzle for narrow gap welding, suitable for the MT301G and MT451W torch series
- Made from nickel-plated copper

Length 71 mm
Nozzle Ø 13 mm

Designation	PU	Item no.	PG	Price
	Units			Per unit
Gas nozzle, very conical, narrow gap welding	10	094-019853-00001	B2	11,28 €

PM/MT 301G/451W FCW



- Screw-on gas nozzle for flux cored wire welding; suitable for MT301G and MT451W torch series

Length 59.5 mm

Standards 60 974-7

Designation	PU	PE	Item no.	PG	Price
	Units				
Gas nozzle, Innershield	10	Per unit	094-019554-00000	B2	17,60 €
	2	Per packing unit	094-019554-90002	B2	37,20 €

PM/MT 301G/451W SGN



- Screw-on spot welding nozzle fits MT301G and MT451W torch series
- Made from nickel-plated copper

Length 80 mm
Nozzle Ø 20 mm

Designation	PU	Item no.	PG	Price
	Units			Per unit
Spot gas nozzle	10	094-020945-00000	B2	17,51 €

Gas nozzles - PM/MT series

PM/MT 401G/551W



- Short screw-on gas nozzle, fits MT401G and MT551W torch series
- Made from nickel-plated copper

Length 63 mm

Designation	Nozzle Ø mm	PU Units	PE	Item no.	PG	Price
Gas nozzle	15.0	10	Per unit	094-014177-00001	B2	9,99 €
	17.0			094-014179-00001	B2	9,99 €
	19.0			094-014181-00001	B2	9,99 €
	15.0	2	Per packing unit	094-014177-90002	B2	21,65 €
	17.0			094-014179-90002	B2	21,65 €
	19.0			094-014181-90002	B2	21,65 €

PM/MT 401G/551W



- Long screw-on gas nozzle, fits MT401G and MT551W torch series
- Made from nickel-plated copper

Length 66 mm

Designation	Nozzle Ø mm	PU Units	PE	Item no.	PG	Price
Gas nozzle	15.0	10	Per unit	094-014178-00001	B2	9,99 €
	17.0			094-014180-00001	B2	9,99 €
	19.0			094-014182-00001	B2	9,99 €
	15.0	2	Per packing unit	094-014178-90002	B2	21,65 €
	17.0			094-014180-90002	B2	21,65 €
	19.0			094-014182-90002	B2	21,65 €

GN ES PM/MT 401G/551W



- Screw-on gas nozzle for narrow gap welding; fits MT401G and MT551W torch series
- Made from nickel-plated copper

Nozzle Ø 13 mm

Designation	Length mm	PU Units	Item no.	PG	Price Per unit
Gas nozzle, very conical, narrow gap welding	63	10	094-019702-00000	B2	12,67 €
	66		094-022227-00000	B2	11,07 €

GN ES PM/MT 301G/451W // 401G/551W



Version suitable for PM/MT 301G/451W/401G/551W

Designation	Length mm	PU Units	Item no.	PG	Price Per unit
Gas nozzle, narrow gap welding	73	10	094-019626-00000	B2	6,50 €
	76		094-022226-00000	B2	9,20 €

GDK PM/MT 301G/451W // 401G/551W



- Gas nozzle body, for narrow gap welding

Designation	PU Units	Version	Item no.	PG	Price Per unit
Gas nozzle body	10	suitable for PM/MT 301G/451W	094-019623-00000	B2	7,62 €
		suitable for PM/MT 401G/551W	094-019624-00000	B2	10,15 €

INS PM/MT 301G/451W // 401G/551W



- Insulation ring for narrow gap welding

Version	suitable for PM/MT 301G/451W/401G/551W				
Designation	PU Units	Item no.	PG	Price Per unit	
Capillary tube	1	094-019625-00000	B2	21,95 €	

ZH PM/MT 301G/451W // 401G/MT551W



- Centring sleeve, for narrow gap welding

Version	suitable for PM/MT 301G/451W/401G/551W				
Designation	PU Units	Item no.	PG	Price Per unit	
Centring sleeve	10	094-019627-00000	B2	2,18 €	

Gas nozzles - UM/MIG series

MIG 15



- Nickel-plated, insulated gas nozzle
- Suitable for type 15 welding torches

Length		53 mm					
Material		Copper, nickel-plated					
Designation	Nozzle Ø	Length	PU	Version	Item no.	PG	Price
	mm	mm	Units				Per unit
Gas nozzle	9.5	53	10	highly conical	094-001212-00000	E4	3,44 €
	12.0			Conical	094-001085-00000	E4	2,97 €
				Cylindrical	094-001198-00000	E4	3,32 €
Spot gas nozzle	16.0	60		Spot gas nozzle	094-001213-00000	E4	8,51 €

MIG 15 Eco



- Nickel-plated, insulated gas nozzle
- Suitable for type 15 welding torches

Material		Copper, nickel-plated					
Designation	Nozzle Ø	Length	PU	Price from	Item no.	PG	Price
	mm	mm	Units				Per unit
Gas nozzle, highly conical	9.5			1.0	394-001212-00000	HW15	1,71 €
				200	394-001212-00000	HW15	1,45 €
Gas nozzle, conical	12.0	53	10	1.0	394-000472-00000	HW15	1,71 €
				200	394-000472-00000	HW15	1,49 €
Gas nozzle, cylindrical	16.0			1.0	394-000211-00000	HW15	1,71 €
				200	394-000211-00000	HW15	1,49 €
Spot welding nozzle, plug fitting		60		1.0	394-000213-00000	HW11	4,00 €

MIG 24/240



- Nickel-plated, insulated gas nozzle
- Suitable for type 24/240 welding torches
- Plug-in with clamping ring

Length		63.5 mm					
Material		Copper, nickel-plated					
Designation	Nozzle Ø	PU	Version	Item no.	PG	Price	
	mm	Units				Per unit	
Gas nozzle	10.0	10	highly conical	094-001234-00000	E4	6.20 €	
	12.5		Conical	094-001190-00000	E4	4.33 €	
	17.0		Cylindrical	094-001233-00000	E4	4.68 €	

MIG 24/240 Eco



- Nickel-plated, insulated gas nozzle
- Suitable for type 24/240 welding torches
- Plug-in with clamping ring

Length	63.5 mm
Material	Copper, nickel-plated

Designation	Nozzle Ø mm	PU Units	Version	Price from	Item no.	PG	Price
							Per unit
Gas nozzle, highly conical	10.0	10	highly conical	1.0	394-001234-00000	HW15	3,20 €
				200	394-001234-00000	HW15	2,99 €
Gas nozzle, conical	12.5	10	Conical	1.0	394-000361-00000	HW15	3,20 €
				200	394-000361-00000	HW15	2,99 €
Gas nozzle, cylindrical	17.0	10	Cylindrical	1.0	394-000362-00000	HW15	3,20 €
				200	394-000362-00000	HW15	2,99 €

MIG 25



- Nickel-plated, insulated gas nozzle
- Suitable for type 25 welding torches

Material	Copper, nickel-plated
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Designation	Nozzle Ø mm	Length mm	PU Units	Version	Item no.	PG	Price
							Per unit
Gas nozzle	11.5	57	10	highly conical	094-001647-00000	E4	4.84 €
				Conical	094-002079-00000	E4	3.36 €
	Cylindrical	094-013288-00000		E4	3.76 €		
	Spot gas nozzle	094-016374-00000		E4	10.87 €		

MIG 25 Eco



- Nickel-plated, insulated gas nozzle
- Suitable for type 25 welding torches

Material	Copper, nickel-plated
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Designation	Nozzle Ø mm	Length mm	PU Units	Price from	Item no.	PG	Price
							Per unit
Gas nozzle, highly conical	11.5	57	10	1.0	394-001647-00000	HW15	2,55 €
				200	394-001647-00000	HW15	2,35 €
Gas nozzle, conical	15.0	57	10	1.0	394-000369-00000	HW15	2,55 €
				200	394-000369-00000	HW15	2,35 €
Gas nozzle, cylindrical	18.5	66	10	1.0	394-000371-00000	HW15	2,55 €
				200	394-000371-00000	HW15	2,35 €
Spot gas nozzle	18.0	66	10	1.0	394-000373-00000	HW11	5,56 €

Gas nozzles - UM/MIG series

MIG 36



- Nickel-plated, insulated gas nozzle
- Suitable for type 36 welding torches
- Plug-in with clamping ring

Length	84 mm					
Material	Copper, nickel-plated					
Designation	Nozzle Ø mm	PU Units	Version	Item no.	PG	Price Per unit
Gas nozzle	12.0	10	highly conical	094-001241-00000	E4	7.21 €
	16.0		Conical	094-001240-00000	E4	4.88 €
	19.0		Cylindrical	094-001239-00000	E4	5.69 €

MIG 36 Eco



- Nickel-plated, insulated gas nozzle
- Suitable for type 36 welding torches
- Plug-in with clamping ring

Length	84 mm						
Material	Copper, nickel-plated						
Designation	Nozzle Ø mm	PU Units	Version	Price from	Item no.	PG	Price Per unit
Gas nozzle, highly conical	12.0	10	highly conical	1.0	394-001241-00000	HW15	3,94 €
				200	394-001241-00000	HW15	3,73 €
Gas nozzle, conical	16.0	10	Conical	1.0	394-000431-00000	HW15	3,94 €
				200	394-000431-00000	HW15	3,73 €
Gas nozzle, cylindrical	19.0	10	Cylindrical	1.0	394-000432-00000	HW15	3,94 €
				200	394-000432-00000	HW15	3,73 €

MIG 35/401/501



- Gas nozzle for type 35/401/501 welding torches
- Plug-in with clamping ring
- Copper, bright, with clamping ring

Length	76 mm					
Material	Copper					
Designation	Nozzle Ø mm	PU Units	Version	Item no.	PG	Price Per unit
Gas nozzle	14.0	10	highly conical	094-001260-00000	E4	5.56 €
	16.0		Conical	094-000945-00000	E4	4.33 €
	20.0		Cylindrical	094-001259-00000	E4	4.76 €

MIG 35/401/501 Eco



- Gas nozzle for type 35/401/501 welding torches
- Plug-in with clamping ring

Length	76 mm
Material	Copper

Designation	Nozzle Ø mm	PU Units	Version	Price from	Item no.	PG	Price Per unit
Gas nozzle, highly conical	14.0	10	highly conical	1.0	394-000436-00000	HW15	3,65 €
				200	394-000436-00000	HW15	3,52 €
Gas nozzle, conical	16.0	10	Conical	1.0	394-000435-00000	HW15	3,65 €
				200	394-000435-00000	HW15	3,52 €
Gas nozzle, cylindrical	19.0	10	Cylindrical	1.0	394-000437-00000	HW15	3,65 €
				200	394-000437-00000	HW15	3,52 €

MIG 35/401/501



- Gas nozzle for narrow gap welding
- Suitable for type 35/401/501 welding torches

Length	128 mm
Nozzle Ø	12 mm
Material	Copper, nickel-plated

Designation	PU Units	Item no.	PG	Price Per unit
Narrow-gap gas nozzle	5	394-001065-00000	E4	42.24 €

MIG 35/401/501 Eco



- Gas nozzle for narrow gap welding
- Suitable for type 35/401/501 welding torches

Length	128 mm
Nozzle Ø	11 mm

Designation	PU Units	Item no.	PG	Price Per unit
Narrow-gap gas nozzle	1	394-000711-00000	HW11	31.00 €

Extraction nozzles - MT series

RAD MT221GF/MT301WF



- Extraction nozzle, suitable for MT221G F and MT301W F

Designation	PU Units	Item no.	PG	Price Per unit
Extraction nozzle	1	094-014998-00000	B2	33.95 €

RAD MT451 WF



- Extraction nozzle, suitable for MT451W F

Designation	PU Units	Item no.	PG	Price Per unit
Extraction nozzle	1	094-014997-00000	B2	29.00 €

Contact tips - PM/MT series

CT M7 CuCrZr



- Precision-manufactured contact tip made from a copper/chrome/zirconium alloy
- For particularly long service life
- Self-centring with bore to house the steel liner/liner
- For universal use with all PM/MT torches with M7 contact tip thread

Length	30 mm
Thread, contact tip	M7
Material	CuCrZr
Version	For extremely long service lives

Designation	Wire Ø mm	PU Units	PE	Item no.	PG	Price
Contact nozzle	0.8	10	Per unit	094-013535-00001	B3	1.87 €
	0.9			094-013536-00001	B3	1.83 €
	1.0			094-013537-00001	B3	1.51 €
	1.2			094-013538-00001	B3	1.92 €
	0.8	1	Per packing unit	094-013535-90005	B3	9.40 €
	0.9			094-013536-90005	B3	9.40 €
	1.0			094-013537-90005	B3	9.40 €
	1.2			094-013538-90005	B3	9.40 €

CT M7 E-Cu (Alu)



- Precision-manufactured contact tip made from E-Cu copper
- Developed specially for aluminium wires
- Self-centring with fastener to secure the steel liner/liner
- For universal use with all PM/MT torches with M7 contact tip thread

Length	30 mm
Thread, contact tip	M7
Material	E-Cu
Version	Developed specially for aluminium wires

Designation	Wire Ø mm	PU Units	PE	Item no.	PG	Price
Contact tip, aluminium welding	0.8	10	Per unit	094-013550-00001	B3	1.75 €
	0.9			094-013551-00001	B3	1.75 €
	1.0			094-013552-00001	B3	1.78 €
	1.2			094-013553-00001	B3	2.10 €
	0.8	1	Per packing unit	094-013550-90005	B3	10.40 €
	0.9			094-013551-90005	B3	10.40 €
	1.0			094-013552-90005	B3	10.55 €
	1.2			094-013553-90005	B3	12.15 €

CT M7 CuCrZr ZWK



- Precision-manufactured contact tip made from copper/chrome/zirconium alloy
- For particularly long service life
- Self-centring with bore to house the steel liner/liner
- For universal use with all PM/MT torches with M7 contact tip thread

Length	30 mm
Thread, contact tip	M7
Material	CuCrZr
Version	Developed specially for aluminium wires

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Forced contact contact tip	1.0	1	094-025535-00000	B2	5.50 €
	1.2		094-025536-00000	B2	5.50 €

Contact tips - PM/MT series

CT M6 CuCrZr



- Contact tip made from copper/chrome/zirconium alloy
- For particularly long service life
- For universal use with all welding torches with M6 contact tip thread

Length	25 mm
Thread, contact tip	M6
Material	CuCrZr

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact nozzle	0.6	10	094-005403-00000	E6	2.12 €
	0.8		094-020689-00000	B2	0.67 €
	1.0		094-020690-00000	B2	0.67 €

CT M6 E-Cu



- Contact tip made from E-Cu copper
- For universal use with all welding torches with M6 contact tip thread

Length	25 mm
Thread, contact tip	M6
Material	E-Cu

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact nozzle	0.6	10	094-020691-00000	B2	0.47 €
	0.8		094-020692-00000	B2	0.47 €
	0.9		094-020693-00000	B2	0.47 €
	1.0		094-020694-00000	B2	0.47 €

CT M6 E-Cu (Alu)



- Contact tip made from E-Cu copper
- Developed specially for aluminium wires
- For universal use with all welding torches with M6 contact tip thread

Length	25 mm
Thread, contact tip	M6
Material	E-Cu
Version	Developed specially for aluminium wires

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact tip, aluminium welding	0.6	10	094-020695-00000	B2	0.47 €
	0.8		094-020696-00000	B2	0.47 €
	0.9		094-020697-00000	B2	0.47 €
	1.0		094-020698-00000	B2	0.47 €

CT M6 CuCrZr



- Contact tip made from copper/chrome/zirconium alloy
- For particularly long service life
- For universal use with all welding torches with M6 contact tip thread

Length	28 mm
Thread, contact tip	M6
Material	CuCrZr
Version	For extremely long service lives
Standards	Yes

Designation	Wire Ø mm	PU Units	PE	Item no.	PG	Price
Contact nozzle	0.8	10	Per unit	094-013071-00000	B3	1.28 €
	0.9			094-013122-00000	B3	1.28 €
	1.0			094-013072-00000	B3	1.28 €
	1.2			094-014317-00000	B3	1.28 €
	0.8	1	Per packing unit	094-013071-90005	B3	8.00 €
	0.9			094-013122-90005	B3	8.00 €
	1.0			094-013072-90005	B3	8.00 €
	1.2			094-014317-90005	B3	8.00 €

CT M6 E-Cu



- Contact tip made from E-Cu copper
- For universal use with all welding torches with M6 contact tip thread

Length	28 mm
Thread, contact tip	M6
Material	E-Cu
Standards	Yes

Designation	Wire Ø mm	PU Units	PE	Item no.	PG	Price
Contact nozzle	0.8	10	Per unit	094-016101-00000	B3	0.96 €
	0.9			094-016102-00000	B3	0.96 €
	1.0			094-016103-00000	B3	0.96 €
	1.2			094-016104-00000	B3	0.96 €
	0.8	1	Per packing unit	094-016101-90005	B3	6.60 €
	0.9			094-016102-90005	B3	6.60 €
	1.0			094-016103-90005	B3	6.60 €
	1.2			094-016104-90005	B3	6.60 €

Contact tips - PM/MT series

CT M6 E-Cu (Alu)



- Contact tip made from E-Cu copper
- Developed specially for aluminium wires
- For universal use with all welding torches with M6 contact tip thread

Length	28 mm
Thread, contact tip	M6
Material	E-Cu
Version	Developed specially for aluminium wires

Designation	Wire Ø mm	PU Units	PE	Item no.	PG	Price
Contact tip, aluminium welding	0.8	10	Per unit	094-016105-00000	B3	0.96 €
	0.9			094-016106-00000	B3	0.96 €
	1.0			094-016107-00000	B3	0.96 €
	1.2	1	Per packing unit	094-016108-00000	B3	0.96 €
	0.8			094-016105-90005	B3	6.60 €
	0.9			094-016106-90005	B3	6.60 €
	1.0			094-016107-90005	B3	6.60 €
	1.2	094-016108-90005	B3	6.60 €		

CT M9 CuCrZr



- Precision-manufactured contact tip made from copper/chrome/zirconium alloy
- For particularly long service life
- Self-centring with bore to house the steel liner/liner
- For universal use with all PM/MT torches with M9 contact tip thread

Length	35 mm
Thread, contact tip	M9
Material	CuCrZr
Version	For extremely long service lives

Designation	Wire Ø mm	PU Units	PE	Item no.	PG	Price
Contact nozzle	0.8	10	Per unit	094-013528-00001	B3	2.35 €
	0.9			094-013529-00001	B3	2.35 €
	1.0			094-013530-00001	B3	2.35 €
	1.2			094-013531-00001	B3	2.35 €
	1.4			094-013532-00001	B3	2.35 €
	1.6			094-013533-00001	B3	2.35 €
	2.0			094-013534-00001	B3	2.74 €
	2.4			094-013720-00001	B3	3.52 €
	2.8	094-023654-00000	B2	9.80 €		
	0.8	1	Per packing unit	094-013528-90005	B3	13.80 €
	0.9			094-013529-90005	B3	13.80 €
	1.0			094-013530-90005	B3	13.80 €
	1.2			094-013531-90005	B3	13.80 €
	1.4			094-013532-90005	B3	13.80 €
	1.6			094-013533-90005	B3	13.80 €
	2.0			094-013534-90005	B3	13.80 €
	2.4			094-013720-90005	B3	19.50 €

CT M9 CuCrZr ES



- Contact tip made from copper/chrome/zirconium alloy
- Specially for narrow gap welding
- For particularly long service life

Length	100 mm
Thread, contact tip	M9
Material	CuCrZr
Version	suitable for PM/MT 301G/451W/401G/551W

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact tip, narrow gap welding	0.8	10	094-021189-00000	B2	10.80 €
	1.0		094-019616-00000	B2	10.80 €
	1.2		094-019617-00000	B2	10.80 €
	1.4		094-020019-00000	B2	8.20 €
	1.6		094-019618-00000	B2	10.80 €

CT M9 E-Cu (Alu)



- Precision-manufactured contact tip made from E-Cu copper
- Developed specially for aluminium wires
- Self-centring with bore to house the steel liner/liner
- For universal use with all PM/MT torches with M9 contact tip thread

Length	35 mm
Thread, contact tip	M9
Material	E-Cu
Version	Developed specially for aluminium wires

Designation	Wire Ø mm	PU Units	PE	Item no.	PG	Price
Contact tip, aluminium welding	0.8	10	Per unit	094-013543-00001	B3	2.25 €
	0.9			094-013544-00001	B3	2.25 €
	1.0			094-013545-00001	B3	2.13 €
	1.2			094-013546-00001	B3	2.13 €
	1.4			094-013547-00001	B3	2.25 €
	1.6			094-013548-00001	B3	2.25 €
	2.0	094-013549-00001	B3	2.25 €		
	0.8	1	Per packing unit	094-013543-90005	B3	12.69 €
	0.9			094-013544-90005	B3	12.69 €
	1.0			094-013545-90005	B3	12.69 €
	1.2			094-013546-90005	B3	12.69 €
	1.4			094-013547-90005	B3	12.69 €
	1.6			094-013548-90005	B3	12.69 €
2.0	094-013549-90005			B3	12.69 €	

CT M9 CuCrZr ZWK



- Precision-manufactured contact tip made from copper/chrome/zirconium alloy
- For particularly long service life
- Self-centring with bore to house the steel liner/liner
- For universal use with all PM/MT torches with M9 contact tip thread

Length	35 mm
Thread, contact tip	M9
Material	CuCrZr

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Forced contact contact tip	1.0	10	094-017007-00001	B2	5.80 €
	1.2		094-016159-00001	B2	5.80 €
	1.6		094-025533-00000	B2	5.80 €

Contact tips - PM/MT series

CT M8 CuCrZr



- Contact tip made from copper/chrome/zirconium alloy
- For particularly long service life
- For universal use with all welding torches with M8 contact tip thread

Length	30 mm
Thread, contact tip	M8
Material	CuCrZr
Version	For extremely long service lives

Designation	Wire Ø mm	PU Units	PE	Item no.	PG	Price
Contact nozzle	0.8	10	Per unit	094-014024-00000	B3	1.81 €
	0.9			094-013129-00000	B3	1.81 €
	1.0			094-014222-00000	B3	1.81 €
	1.2			094-013113-00000	B3	1.81 €
	1.4			094-014191-00000	B3	1.81 €
	1.6			094-014192-00000	B3	1.81 €
	2.0			094-014193-00000	B3	1.81 €
	0.8	1	Per packing unit	094-014024-90005	B3	11.10 €
	0.9			094-013129-90005	B3	11.10 €
	1.0			094-014222-90005	B3	11.10 €
	1.2			094-013113-90005	B3	11.10 €
	1.4			094-014191-90005	B3	11.10 €
	1.6			094-014192-90005	B3	11.10 €
	2.0			094-014193-90005	B3	11.10 €

CT M8 E-Cu



- Contact tip made from E-Cu copper
- For universal use with all welding torches with M8 contact tip thread

Length	30 mm
Thread, contact tip	M8
Material	E-Cu

Designation	Wire Ø mm	PU Units	PE	Item no.	PG	Price
Contact nozzle	0.8	10	Per unit	094-016109-00000	B3	1.28 €
	0.9			094-016110-00000	B3	1.28 €
	1.0			094-016111-00000	B3	1.28 €
	1.2			094-007238-00000	B3	1.28 €
	1.4			094-016112-00000	B3	1.28 €
	1.6			094-016113-00000	B3	1.28 €
	2.0			094-016114-00000	B3	1.28 €
	0.8	1	Per packing unit	094-016109-90005	B3	8.40 €
	0.9			094-016110-90005	B3	8.40 €
	1.0			094-016111-90005	B3	8.40 €
	1.2			094-007238-90005	B3	8.40 €
	1.4			094-016112-90005	B3	8.40 €
	1.6			094-016113-90005	B3	8.40 €
	2.0			094-016114-90005	B3	8.40 €

CT M8 E-Cu (Alu)



- Contact tip made from E-Cu copper
- Developed specially for aluminium wires
- For universal use with all welding torches with M8 contact tip thread

Length	30 mm
Thread, contact tip	M8
Material	E-Cu
Version	Developed specially for aluminium wires

Designation	Wire Ø mm	PU Units	PE	Item no.	PG	Price
Contact tip, aluminium welding	0.8	10	Per unit	094-016115-00000	B3	1.28 €
	0.9			094-016116-00000	B3	1.28 €
	1.0			094-016117-00000	B3	1.28 €
	1.2			094-016118-00000	B3	1.28 €
	1.4			094-016119-00000	B3	1.28 €
	1.6			094-016120-00000	B3	1.28 €
	2.0	094-016920-00000	B3	1.28 €		
	0.8	1	Per packing unit	094-016115-90005	B3	8.40 €
	0.9			094-016116-90005	B3	8.40 €
	1.0			094-016117-90005	B3	8.40 €
	1.2			094-016118-90005	B3	8.40 €
	1.4			094-016119-90005	B3	8.40 €
1.6	094-016120-90005			B3	8.40 €	
	2.0			094-016920-90005	B3	8.40 €

CT M8 CuCrZr ZWK



- Precision-manufactured contact tip made from copper/chrome/zirconium alloy
- For particularly long service life
- Self-centring with bore to house the steel liner/liner

Length	30 mm
Thread, contact tip	M8
Material	CuCrZr

Designation	Wire Ø mm	Item no.	PG	Price
Forced contact contact tip	1.0	094-025524-00000	B2	7.70 €
	1.2	094-025525-00000	B2	7.70 €
	1.6	094-025534-00000	B2	6.40 €

Contact tips - UM/MIG series

CT M6 E-Cu



Length	25 mm
Thread, contact tip	M6
Material	E-Cu

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact nozzle	0.6	10	094-001088-00000	E4	1.53 €
	0.8		094-001087-00000	E4	1.53 €
	1.0		094-001086-00000	E4	1.53 €

CT M6 E-Cu Eco



Length	25 mm
Thread, contact tip	M6
Material	E-Cu

Designation	Wire Ø mm	PU Units	Price from	Item no.	PG	Price Per unit
Contact nozzle	0.8	20	1.0	394-001087-00000	HW15	0,34 €
			200	394-001087-00000	HW15	0,28 €
	1.0		1.0	394-001086-00000	HW15	0,34 €
			200	394-001086-00000	HW15	0,28 €

CT M6 E-Cu



Length	28 mm
Thread, contact tip	M6
Material	E-Cu

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact nozzle	0.8	10	094-001191-00000	E4	1.97 €
	1.0		094-001228-00000	E4	1.97 €
	1.2		094-001229-00000	E4	1.97 €

CT M6 E-Cu Eco



Length	28 mm
Thread, contact tip	M6
Material	E-Cu

Designation	Wire Ø mm	PU Units	Price from	Item no.	PG	Price Per unit
Contact nozzle	0.8	20	1.0	394-001191-00000	HW15	0,47 €
			200	394-001191-00000	HW15	0,42 €
	1.0		1.0	394-001228-00000	HW15	0,47 €
			200	394-001228-00000	HW15	0,42 €
	1.2		1.0	394-001229-00000	HW15	0,47 €
			200	394-001229-00000	HW15	0,42 €

CT M6 E-Cu (Alu)



Length	28 mm
Thread, contact tip	M6
Material	E-Cu

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact tip, aluminium welding	0.8	10	094-001230-00000	E4	2.68 €
	1.0		094-001231-00000	E4	2.68 €
	1.2		094-001232-00000	E4	2.68 €

CT M6 E-Cu Eco (Alu)



Length	28 mm
Thread, contact tip	M6
Material	Copper

Designation	Wire Ø mm	PU Units	Price from	Item no.	PG	Price Per unit
Contact tip, aluminium welding	0.8	20	1.0	394-016105-00000	HW15	0,54 €
			200	394-016105-00000	HW15	0,44 €
	1.0		1.0	394-016107-00000	HW15	0,54 €
			200	394-016107-00000	HW15	0,44 €
	1.2		1.0	394-016108-00000	HW15	0,54 €
			200	394-016108-00000	HW15	0,44 €

CT M6 CuCrZr



Length	28 mm
Thread, contact tip	M6
Material	CuCrZr

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact nozzle	0.8	10	094-005407-00000	E4	2.51 €
	1.0		094-003339-00000	E4	2.51 €
	1.2		094-005224-00000	E4	2.51 €

CT M6 CuCrZr Eco



Length	28 mm
Thread, contact tip	M6
Material	CuCrZr

Designation	Wire Ø mm	PU Units	Price from	Item no.	PG	Price Per unit
Contact nozzle	0.8	20	1.0	394-005407-00000	HW15	0,85 €
			200	394-005407-00000	HW15	0,74 €
	1.0		1.0	394-003339-00000	HW15	0,85 €
			200	394-003339-00000	HW15	0,74 €
	1.2		1.0	394-005224-00000	HW15	0,85 €
			200	394-005224-00000	HW15	0,74 €

Contact tips - UM/MIG series

CT M6 CuCrZr



Length	28 mm
Thread, contact tip	M6
Material	CuCrZr, silver-plated

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
CuCrZr contact tip, silver plated	0.8	10	094-010468-00000	A2	2.85 €
	1.0		094-010470-00000	A2	2.85 €
	1.2		094-016488-00000	A2	2.85 €
	1.4		094-010471-00000	A2	2.85 €

CT M6 E-Cu Eco



Length	28 mm
Thread, contact tip	M6
Material	Copper, nickel-plated

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact tip, nickel-plated	0.8	10	394-000407-00000	HW11	0.58 €
	1.0		394-000408-00000	HW11	0.58 €
	1.2		394-000409-00000	HW11	0.58 €
	1.4		394-000702-00000	HW11	0.58 €

CT M8 E-Cu



Length	30 mm
Thread, contact tip	M8
Material	E-Cu

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact nozzle	0.8	10	094-001252-00000	E4	2.40 €
	1.0		094-000941-00000	E4	2.40 €
	1.2		094-000942-00000	E4	2.40 €
	1.4		094-001253-00000	E4	2.40 €
	1.6		094-001254-00000	E4	2.40 €

CT M8 E-Cu Eco



Length	30 mm
Thread, contact tip	M8
Material	E-Cu

Designation	Wire Ø mm	PU Units	Price from	Item no.	PG	Price Per unit
Contact nozzle	0.8	20	1.0	394-000447-00000	HW15	0,74 €
			200	394-000447-00000	HW15	0,66 €
	1.0		1.0	394-000941-00000	HW15	0,74 €
			200	394-000941-00000	HW15	0,66 €
	1.2		1.0	394-000942-00000	HW15	0,74 €
			200	394-000942-00000	HW15	0,66 €
	1.4		1.0	394-000453-00000	HW11	0,64 €
			1.0	394-000456-00000	HW15	0,74 €
	1.6		1.0	394-000456-00000	HW15	0,66 €
			200	394-000456-00000	HW15	0,66 €

CT M8 E-Cu (Alu)



Length	30 mm
Thread, contact tip	M8
Material	E-Cu

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact tip, aluminium welding	0.8	10	094-001257-00000	E4	3.09 €
	1.0		094-000943-00000	E4	3.09 €
	1.2		094-000944-00000	E4	3.09 €
	1.4		094-010165-00000	E4	3.80 €
	1.6		094-001258-00000	E4	3.09 €

CT M8 E-Cu Eco (Alu)



Length	30 mm
Thread, contact tip	M8
Material	E-Cu

Designation	Wire Ø mm	PU Units	Price from	Item no.	PG	Price Per unit
Contact tip, aluminium welding	0.8	20	1.0	394-016115-00000	HW15	0,66 €
			200	394-016115-00000	HW15	0,62 €
	1.0		1.0	394-016117-00000	HW15	0,66 €
			200	394-016117-00000	HW15	0,62 €
	1.2		1.0	394-016118-00000	HW15	0,66 €
			200	394-016118-00000	HW15	0,62 €
	1.6		1.0	394-016120-00000	HW15	0,66 €
			200	394-016120-00000	HW15	0,62 €

CT M8 CuCrZr



Length	30 mm
Thread, contact tip	M8
Material	CuCrZr

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact nozzle	0.8	10	094-005409-00000	E4	2.90 €
	1.0		094-005225-00000	E4	2.90 €
	1.2		094-004207-00000	E4	2.90 €
	1.4		094-005411-00000	A2	2.90 €
	1.6		094-005412-00000	E4	2.90 €

CT M8 CuCrZr Eco



Length	30 mm
Thread, contact tip	M8
Material	CuCrZr

Designation	Wire Ø mm	PU Units	Price from	Item no.	PG	Price Per unit
Contact nozzle	0.8	20	1.0	394-014024-00000	HW15	1,26 €
			200	394-014024-00000	HW15	1,09 €
	1.0		1.0	394-000450-00000	HW15	1,26 €
			200	394-000450-00000	HW15	1,09 €
	1.2		1.0	394-000452-00000	HW15	1,26 €
			200	394-000452-00000	HW15	1,09 €
	1.4		1.0	394-000455-00000	HW15	1,26 €
			200	394-000455-00000	HW15	1,09 €
	1.6		1.0	394-000458-00000	HW15	1,26 €
			200	394-000458-00000	HW15	1,09 €

Contact tips - UM/MIG series

CT M8 CuCrZr



Length	30 mm
Thread, contact tip	M8
Material	CuCrZr, silver-plated

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
CuCrZr contact tip, silver plated	0.8	10	094-011269-00000	A2	3.23 €
	0.9		094-011270-00000	A2	3.23 €
	1.0		094-011271-00000	A2	3.23 €
	1.2		094-011272-00000	A2	3.23 €
	1.4		094-011273-00000	A2	3.23 €
	1.6		094-011274-00000	A2	3.23 €

CT M8 E-Cu Eco



Length	30 mm
Thread, contact tip	M8
Material	E-Cu

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact tip, nickel-plated	0.8	10	394-000448-00000	HW11	0.76 €
	1.0		394-000449-00000	HW11	0.76 €
	1.2		394-000451-00000	HW11	0.76 €
	1.4		394-000454-00000	HW11	0.76 €
	1.6		394-000457-00000	HW11	0.76 €

CT M8 CuCrZr



- Contact tip, especially for narrow gap welding

Length	85 mm
Thread, contact tip	M8
Material	CuCrZr

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Contact tip, especially for narrow gap welding	1.0	10	394-001066-00000	E5	8.45 €
	1.2		394-003363-00000	E5	8.45 €

CT M6 E-Cu Eco



Length	83 mm
Thread, contact tip	M6
Material	E-Cu

Designation	Wire Ø mm	PU Units	Item no.	PG	Price Per unit
Narrow-gap contact tip	1.0	1	394-000707-00000	HW11	8.10 €
	1.2		394-003059-00000	HW11	8.10 €

Contact tip holders - PM/MT series

CTH M7 CuCrZr



- Precision-manufactured contact tip holder made from copper/chrome/zirconium alloy.
- For torch series MT221G and MT301W

Thread, contact tip		M7				
Material		CuCrZr				
Designation	Length mm	PU Units	PE	Item no.	PG	Price
Contact tip holder	34.5	10	Per unit	094-013542-00002	B2	4.80 €
	31.5			094-013541-00002	B2	4.80 €
	34.5	2	Per packing unit	094-013542-90002	B2	10.80 €
	31.5			094-013541-90002	B2	10.80 €

CTH M6 CuCrZr



- Precision-manufactured contact tip holder made from copper/chrome/zirconium alloy.
- For torch series MT221G and MT301W

Length		30.5 mm				
Thread, contact tip		M6				
Material		CuCrZr				
Version		especially small outer diameter, for bottleneck gas nozzle				
Designation	PU Units	Item no.	PG	Price Per unit		
Contact tip holder	10	094-020562-00000	B2	6.15 €		

CTH M6 CuCrZr



- Precision-manufactured contact tip holder made from copper/chrome/zirconium alloy.
- For torch series MT221G and MT301W

Thread, contact tip		M6				
Material		CuCrZr				
Designation	Length mm	PU Units	PE	Item no.	PG	Price
Contact tip holder	30.5	10	Per unit	094-013069-00002	B2	4.21 €
	33.5			094-013070-00002	B2	4.21 €
	30.5	2	Per packing unit	094-013069-90002	B2	9.70 €
	33.5			094-013070-90002	B2	9.70 €

CTH M9 CuCrZr



- Precision-manufactured contact tip holder made from copper/chrome/zirconium alloy.
- For torch series MT301G and MT451W

Thread, contact tip		M9				
Material		CuCrZr				
Designation	Length mm	PU Units	PE	Item no.	PG	Price
Contact tip holder	34.5	10	Per unit	094-013539-00002	B2	5.77 €
	37.5			094-013540-00002	B2	5.77 €
	34.5	2	Per packing unit	094-013539-90002	B2	12.80 €
	37.5			094-013540-90002	B2	12.80 €

Contact tip holders - PM/MT series

CTH M9 CuCrZr



- Precision-manufactured contact tip holder made from copper/chrome/zirconium alloy.
- For torch series MT401G and M551W

Thread, contact tip		M9				
Material		CuCrZr				
Designation	Length mm	PU Units	PE	Item no.	PG	Price
Contact tip holder	35	10	Per unit	094-013856-00003	B2	5.95 €
	38			094-016425-00003	B2	5.95 €
	35	2	Per packing unit	094-013856-90002	B2	13.20 €
	38			094-016425-90002	B2	13.00 €

CTH M8 CuCrZr



- Precision-manufactured contact tip holder made from copper/chrome/zirconium alloy.
- For torch series MT301G and MT451W

Thread, contact tip		M8				
Material		CuCrZr				
Designation	Length mm	PU Units	PE	Item no.	PG	Price
Contact tip holder	34.1	10	Per unit	094-013109-00002	B2	5.10 €
	37.1			094-013110-00002	B2	5.10 €
	34.1	2	Per packing unit	094-013109-90002	B2	11.40 €
	37.1			094-013110-90002	B2	11.40 €

CTH M8 CuCrZr



- Precision-manufactured contact tip holder made from copper/chrome/zirconium alloy.
- For torch series MT401G and MT551W

Thread, contact tip		M8				
Material		CuCrZr				
Designation	Length mm	PU Units	PE	Item no.	PG	Price
Contact tip holder	34.5	10	Per unit	094-015489-00003	B2	5.20 €
	37.5			094-016018-00003	B2	5.20 €
	34.5	2	Per packing unit	094-015489-90002	B2	11.70 €
	37.5			094-016018-90002	B2	11.60 €

Contact tip holders - UM/MIG series

MIG 15



- Contact tip holder/gas nozzle holder with outer thread
- With internal thread
- Suitable for type MB 15 AK welding torches

Thread, contact tip		M6				
Designation	Material	PU Units	Version	Item no.	PG	Price Per unit
Contact tip holder	Brass	10	Contact tip holder	094-001207-00000	E5	2.52 €
Retaining spring	Spring steel	20	Retaining spring	094-001083-00000	E5	0.77 €

MIG 15 Eco



- Contact tip holder/gas nozzle holder with outer thread
- Suitable for type TW-MIG 15 welding torches

Length	30 mm				
Thread, contact tip	M6				
Version	complete				
Designation	PU Units	Item no.	PG	Price Per unit	
Contact tip holder, complete with retaining spring	10	394-000083-00000	HW11	5.70 €	

MIG 15



- Suitable for type MB 15 AK welding torches

Material	HT plastic				
Designation	PU Units	Item no.	PG	Price Per unit	
Protective sleeve	1	094-001188-00000	E5	1.33 €	

MIG 15 Eco



- Suitable for type TW-MIG 15 welding torches

Material	Teflon				
Designation	PU Units	Item no.	PG	Price Per unit	
Teflon protective sleeve	10	394-000793-00000	HW11	3.10 €	

Contact tip holders - UM/MIG series

MIG 25



- Contact tip holder/gas nozzle holder with outer thread
- Suitable for type 25 welding torches

Length 35 mm

Designation	Material	PU Units	Thread, contact tip	Specifica- tion	Item no.	PG	Price Per unit
Contact tip holder	Brass	10	M6	Contact tip holder	094-001823-00000	E4	1.96 €
			M8		394-000575-00000	E4	2.39 €
Retaining spring	Spring steel	20	-	Retaining spring	094-001646-00000	E5	0.77 €

MIG 25 Eco



- Contact tip holder/gas nozzle holder with outer thread
- Suitable for type 25 welding torches

Length 35 mm

Version complete

Designation	PU Units	Thread, con- tact tip	Price from	Item no.	PG	Price Per unit
Contact tip holder	10	M6	1.0	394-001823-00000	HW15	1,28 €
			200	394-001823-00000	HW15	0,96 €
		M8	1.0	394-000375-00000	HW11	1,56 €

MIG 24 / 240



- Contact tip holder/gas nozzle holder with outer thread
- Suitable for type 24/240 welding torches

Length 26 mm

Thread, contact tip M6

Material Brass

Designation	PU Units	Item no.	PG	Price Per unit
Contact tip holder	10	094-001227-00000	E4	1.96 €

MIG 24/240 Eco



- Contact tip holder/gas nozzle holder with outer thread
- Suitable for type 24/240 welding torches

Length 26 mm

Thread, contact tip M6

Material Brass

Designation	PU Units	Price from	Item no.	PG	Price Per unit
Contact tip holder	10	1.0	394-000363-00000	HW15	1,17 €
		200	394-000363-00000	HW15	1,04 €

MIG 36



- Contact tip holder/gas nozzle holder with outer thread
- Suitable for type 36 welding torches

Length	28 mm
Material	Brass

Designation	PU Units	Thread, contact tip	Item no.	PG	Price Per unit
Contact tip holder	10	M6	094-001237-00000	E4	1.96 €
		M8	094-012552-00000	E4	2.51 €

MIG 36 Eco



- Contact tip holder/gas nozzle holder with outer thread
- Suitable for type 36 welding torches

Length	28 mm
Material	Brass

Designation	PU Units	Thread, contact tip	Price from	Item no.	PG	Price Per unit
Contact tip holder	10	M6	1.0	394-000433-00000	HW15	1,04 €
			200	394-000433-00000	HW15	0,85 €
		M8	1.0	394-000434-00000	HW15	1,39 €
			200	394-000434-00000	HW15	1,07 €

MIG 35/401/501



- Contact tip holder/gas nozzle holder with outer thread
- Suitable for type 35/401/501 welding torches

Length	25 mm
Material	Brass

Designation	PU Units	Thread, contact tip	Item no.	PG	Price Per unit
Contact tip holder	10	M6	094-001656-00000	E4	2.06 €
		M8	094-001658-00000	E4	1.96 €

MIG 35/401/501 Eco



- Contact tip holder/gas nozzle holder with outer thread
- Suitable for type 35/401/501 welding torches

Length	25 mm
Material	Brass

Designation	PU Units	Thread, contact tip	Price from	Item no.	PG	Price Per unit
Contact tip holder	1	M6	1.0	394-000439-00000	HW11	1,55 €
	10	M8		394-000438-00000	HW15	1,22 €

Contact tip holders - UM/MIG series

MIG 35/401/501



- Suitable for type 35/401/501 welding torches

Designation	PU Units	Item no.	PG	Price Per unit
Insulating disk	20	094-013354-00000	E5	0.38 €

MIG 35/401/501 Eco

- Suitable for type 35/401/501 welding torches



Designation	PU Units	Item no.	PG	Price Per unit
Insulating disk	20	394-000761-00000	HW11	0.30 €

Gas diffuser - PM/MT series

GD PM/MT 221G/301W



- Gas diffuser made from highly heat-resistant, fibre-reinforced plastic
- For MT221G and MT301W welding torches

Material		Plastic			
Designation	PU Units	PE	Item no.	PG	Price
	10	Per unit	094-013094-00004	B2	3.52 €
Gas diffuser	2	Per packing unit	094-013094-90002	B2	8.30 €

GD PM/MT 301G/451W



- Gas diffuser made from highly heat-resistant, fibre-reinforced plastic
- For torch series MT301G and MT451W

Designation	Material	PU Units	PE	Item no.	PG	Price
	Fiberglass-reinforced plastic	10	Per unit	094-013096-00004	B2	3.85 €
Gas diffuser	Plastic	2	Per packing unit	094-013096-90002	B2	8.90 €

GD PM/MT 401G/551W



- Screw-on gas distributor made from highly heat-resistant, fibre-reinforced plastic
- For torch series MT401G and MT551W

Length	25 mm				
Nozzle Ø	20.2 mm				
Material	Plastic				
Designation	PU Units	PE	Item no.	PG	Price
	10	Per unit	094-013111-00002	B2	3.45 €
Gas diffuser	2	Per packing unit	094-013111-90002	B2	8.15 €

Gas diffuser - UM/MIG series

UM 24 G



- Gas diffuser
- Suitable for type 24/240 welding torches

Length	20 mm
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Designation	PU Units	Item no.	PG	Price Per unit
Gas diffuser	10	094-009009-00000	E4	1.52 €

MIG 24/240 Eco



- Gas diffuser
- Suitable for type 24/240 welding torches

Length	20 mm
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Designation	PU Units	Price from	Item no.	PG	Price Per unit
Gas diffuser	10	1.0	394-000360-00000	HW15	1,02 €
		200	394-000360-00000	HW15	0,88 €

MIG 36



- Gas diffuser
- Suitable for type 36 welding torches

Length	32.5 mm
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Designation	PU Units	Version	Item no.	PG	Price Per unit
Gas diffuser	10	Standard	094-001236-00000	E4	1.52 €
		Long life	094-012571-00000	E4	6.75 €
		Ceramic	094-012572-00000	E4	2.24 €

MIG 36 Eco



- Gas diffuser
- Suitable for type 36 welding torches

Length	32.5 mm
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Version	Standard
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Designation	PU Units	Price from	Item no.	PG	Price Per unit
Gas diffuser	10	1.0	394-012572-00000	HW15	1,07 €
		200	394-012572-00000	HW15	0,85 €

MIG 35/401/501



- Gas diffuser
- Suitable for type 35/401/501 welding torches

Length 28 mm

Designation	PU Units	Version	Item no.	PG	Price Per unit
Gas diffuser	10	Standard	094-000948-00000	E4	1.52 €
		Long life	094-011628-00000	E4	8.67 €
		Ceramic	094-012649-00000	E4	2.24 €

MIG 35/401/501 Eco



- Gas diffuser
- Suitable for type 35/401/501 welding torches

Length 28 mm

Designation	PU Units	Version	Price from	Item no.	PG	Price Per unit
Gas diffuser		Standard	1.0	394-000948-00000	HW15	0,54 €
			200	394-000948-00000	HW15	0,42 €
Gas diffuser, long life	10	Long life	1.0	394-011628-00000	HW15	1,28 €
			200	394-011628-00000	HW15	1,02 €
Gas diffuser, ceramic		Ceramic	1.0	394-000959-00000	HW11	1,10 €

Steel and plastic liners

Steel liner, insulated



- Steel liner for feeding steel wire
- Used in gas- and water-cooled welding torches
- Insulation prevents gas losses

Wire Ø	0.8 mm - 1 mm
Inside Ø	1.5 mm
Outside Ø	3.8 mm
Colour code	Blue

Designation	Length m	PU Pack	Item no.	PG	Price Per unit
Steel liner, insulated	3.6	1	094-013074-00501	B2	4.17 €
	4.6		094-013075-00501	B2	4.58 €
	5.6		094-014221-00501	B2	5.00 €

Steel liner, insulated



- Steel liner for feeding steel wire
- Used in gas- and water-cooled welding torches
- Insulation prevents gas losses

Wire Ø	1.2 mm - 1.6 mm
Inside Ø	2 mm
Outside Ø	4.6 mm
Colour code	Red

Designation	Length m	PU Pack	Item no.	PG	Price Per unit
Steel liner, insulated	3.6	1	094-007239-00501	B2	4.17 €
	4.6		094-014223-00501	B2	4.58 €
	5.6		094-014224-00501	B2	5.00 €

Steel liner, insulated



- Steel liner for feeding steel wire
- Used in gas- and water-cooled welding torches
- Insulation prevents gas losses

Wire Ø	1.6 mm - 2 mm
Inside Ø	2.4 mm
Outside Ø	4.6 mm
Colour code	Yellow

Designation	Length m	PU Pack	Item no.	PG	Price Per unit
Steel liner, insulated	3.6	2	094-013662-00502	B2	4.65 €
	4.6		094-013663-00502	B2	5.15 €
	5.6		094-013664-00502	B2	5.60 €

Steel liner, blank



Wire Ø	0.8 mm
Inside Ø	1.5 mm
Outside Ø	4 mm

Designation	Length m	PU Units	Item no.	PG	Price Per unit
Steel liner, blank	3.0	1	094-001265-00000	E4	4.07 €
	4.0		094-001266-00000	E4	4.73 €
	5.0		094-001267-00000	E4	5.59 €

Steel liner, blank



Wire Ø	1 mm - 1.2 mm
Inside Ø	2 mm
Outside Ø	4.5 mm

Designation	Length m	PU Units	Item no.	PG	Price Per unit
	3.0		094-000946-00000	E4	4.07 €
Steel liner, blank	4.0	1	094-001268-00000	E4	4.73 €
	5.0		094-001269-00000	E4	5.59 €

Steel liner, blank



Wire Ø	1.6 mm
Inside Ø	2.5 mm
Outside Ø	4.5 mm

Designation	Length m	PU Units	Item no.	PG	Price Per unit
	3.0		094-001270-00000	E4	4.07 €
Steel liner, blank	4.0	1	094-001271-00000	E4	4.73 €
	5.0		094-001272-00000	E4	5.59 €

Combined liner, PA



- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	0.6 mm - 1 mm
Inside Ø	1.4 mm
Outside Ø	4 mm
Colour code	Grey

Designation	Material	Length m	PU Units	Item no.	PG	Price Per unit
Combined liner, PA	Polyamid	3.0	1	094-013687-00000	B2	20.80 €
	PA	4.0		094-013687-00004	B2	22.50 €
		5.0		094-013687-00005	B2	24.20 €

Combined liner, PA



- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	1.2 mm - 1.6 mm
Inside Ø	2 mm
Outside Ø	4 mm
Colour code	Grey

Designation	Material	Length m	PU Units	Item no.	PG	Price Per unit
Combined liner, PA	PA	3.0	1	094-013076-00000	B2	20.80 €
	Polyamid	3.5		092-018706-00003	B2	33.60 €
		4.0		094-013077-00000	B2	22.90 €
	PA	4.5		092-018706-00004	B2	35.70 €
		5.0		094-013565-00000	B2	25.00 €

Steel and plastic liners

Combined liner, PA



- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	1.6 mm - 2 mm
Inside Ø	2.3 mm
Outside Ø	4.7 mm
Colour code	Grey
Material	PA

Designation	Length m	PU Units	Item no.	PG	Price Per unit
Combined liner, PA	3.0	1	094-013665-00000	B2	19.30 €
	4.0		094-013666-00000	B2	22.50 €
	5.0		094-013667-00000	B2	25.70 €
	6.0		094-021160-00006	B2	29.90 €
	8.0		094-021160-00008	B2	34.10 €
	10.0		094-021160-00010	B2	38.30 €

Combined liner, Teflon



- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	0.6 mm - 1 mm
Inside Ø	1.5 mm
Outside Ø	4 mm
Colour code	Blue
Material	Teflon

Designation	Length m	PU Units	Item no.	PG	Price Per unit
Combined liner, Teflon	3.0	1	094-013800-00000	B2	21.65 €
	4.0		094-013800-00004	B2	25.10 €
	5.0		094-013800-00005	B2	28.60 €

Combined liner, Teflon



- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	1.2 mm - 1.6 mm
Inside Ø	2 mm
Outside Ø	4 mm
Colour code	Red
Material	Teflon

Designation	Length m	PU Units	Item no.	PG	Price Per unit
Combined liner, Teflon	3.0	1	094-013801-00000	B2	21.85 €
	4.0		094-013801-00004	B2	24.30 €
	5.0		094-013801-00005	B2	26.80 €

Combined liner, Teflon



- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	1.6 mm - 2 mm
Inside Ø	2.7 mm
Outside Ø	4.7 mm
Colour code	Yellow
Material	Teflon

Designation	Length m	PU Units	Item no.	PG	Price Per unit
Combined liner, Teflon	3.0	1	094-013802-00000	B2	21.85 €
	4.0		094-013802-00004	B2	24.30 €
	5.0		094-013802-00005	B2	26.80 €

Combined liner, carbon Teflon



- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	0.6 mm - 1 mm
Inside Ø	1.5 mm
Outside Ø	4 mm
Colour code	Black
Material	Carbon Teflon

Designation	Length m	PU Units	Item no.	PG	Price Per unit
Combined liner, carbon Teflon	3.0	1	094-013871-00000	B2	21.65 €
	4.0		094-013871-00004	B2	25.20 €
	5.0		094-013871-00005	B2	28.50 €

Combined liner, carbon Teflon



- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	1.2 mm - 1.6 mm
Inside Ø	2 mm
Outside Ø	4 mm
Colour code	Black
Material	Carbon Teflon

Designation	Length m	PU Units	Item no.	PG	Price Per unit
Combined liner, carbon Teflon	3.0	1	094-013828-00000	B2	21.85 €
	4.0		094-013828-00004	B2	24.30 €
	5.0		094-013828-00005	B2	26.80 €

Steel and plastic liners

Combined liner, carbon Teflon



- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	1.6 mm - 2 mm
Inside Ø	2.7 mm
Outside Ø	4.7 mm
Colour code	Black
Material	Carbon Teflon

Designation	Length m	PU Units	Item no.	PG	Price Per unit
Combined liner, carbon Teflon	3.0	1	094-013829-00000	B2	22.90 €
	4.0		094-013829-00004	B2	27.20 €
	5.0		094-013829-00005	B2	31.40 €

Teflon liner, turquoise



- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Price per metre, minimum purchase: 1 m, maximum purchase in one piece: 100 m
- **Please note that material sold by the metre cannot be exchanged!**

Wire Ø	1 mm - 1.2 mm
Inside Ø	2.25 mm
Colour code	Turquoise

Designation	PU m	Item no.	PG	Price per m
Teflon liner, turquoise	1	398-000403-00000	HW9	1.00 €

O-ring



- O-ring to seal Teflon and PA liners

Ø	3.5 mm - 1.5 mm
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Designation	PU Units	Item no.	PG	Price Per unit
O-ring	20	094-001249-00000	E5	0.42 €

Brass liner



- Brass liner including jointing sleeve for screwing onto PA or Teflon liners

Designation	Inside Ø mm	Outside Ø mm	Length mm	PU Units	Item no.	PG	Price Per unit
Brass liner	2.0	4.0	200	5	094-013078-00000	B2	9.30 €
	2.2	4.4	300		094-012279-00000	E5	4.87 €
					094-013872-00000	B2	9.80 €

Connecting sleeve



- Jointing sleeve for joining the brass liner to the liner

Material	Brass
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Designation	Outside liner Ø mm	PU Units	PE	Item no.	PG	Price
Connecting sleeve	4.0	20	Per unit	094-013757-00000	B2	2.03 €
	4.7			094-013758-00000	B2	2.03 €

Collet chuck



- Collet chuck for fixing in Euro torch connector

Material		Brass			
Designation	Outside liner Ø mm	PU Units	Item no.	PG	Price Per unit
Collet chuck	4.0	20	094-001082-00000	E5	0.89 €
	4.7		094-001291-00000	E5	0.89 €

Hexagonal nut



- Hexagon nut for Euro central connector

Material		Brass			
Thread		M10 x 1			
Designation	PU Units	Item no.	PG	Price Per unit	
Hexagonal nut	10	094-001080-00000	E5	1.45 €	

Guide tube



- Guide tube for use on a liner when welding or brazing soft or alloyed wire
- **Recommendation:**
- Use a steel liner with capillary tube to weld hard, unalloyed wire electrodes (steel)
- Use a liner with guide tube to weld or braze soft or alloy wire electrodes
- For converting wire feeders

Designation	Length mm	PU Units	Item no.	PG	Price Per unit
Guide tube	45	1	094-019350-00000	E5	2.62 €
	66		094-018316-00000	E5	4.03 €
	100		094-020064-00000	E5	4.13 €
	105		094-006051-00000	E5	2.20 €
	115		094-001064-00000	E5	2.20 €

Capillary tube



- Capillary tube for use on a steel liner when welding steel wire
- **Recommendation:**
- Use a steel liner with capillary tube to weld hard, unalloyed wire electrodes (steel)
- Use a liner with guide tube to weld or braze soft or alloy wire electrodes
- For converting wire feeders

Designation	Length mm	PU Units	Version	Item no.	PG	Price Per unit
Capillary tube	48	5	Wire diameter ≤ 1.6 mm	094-014186-00000	E5	4.80 €
	69		Wire diameter ≤ 2.0 mm	094-014667-00000	E5	4.70 €
	107		Wire diameter ≤ 1.6 mm	094-006634-00000	E5	3.16 €
	105		Wire diameter ≤ 2.4 mm	094-021470-00000	E5	3.16 €
	118		Wire diameter ≤ 1.6 mm	094-002559-00000	E5	3.16 €
			Wire diameter ≤ 2.0 mm	094-007515-00000	E5	3.16 €

Adapters and accessories

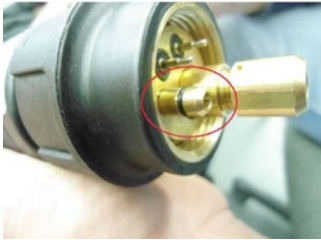
Shrink hose



- Shrink hose for additional insulation of the torch neck

Designation	PU m	Item no.	PG	Price per m
Shrink hose	1	094-014881-00000	B2	19.80 €

O-Ring for Euro torch connector



Designation	PU Units	Item no.	PG	Price Per unit
O-Ring for Euro torch connector	20	094-013967-00000	B2	0.32 €

O-Ring for water-cooled replaceable necks



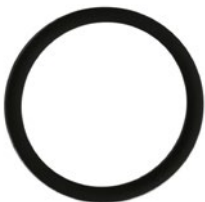
Designation	PU Units	Item no.	PG	Price Per unit
O-Ring for water-cooled replaceable necks	10	094-021052-00000	B2	0.37 €

O-Ring for water-cooled replaceable necks, narrow



Designation	PU Units	Item no.	PG	Price Per unit
O-Ring for water-cooled replaceable necks, narrow	10	094-021053-00000	B2	0.74 €

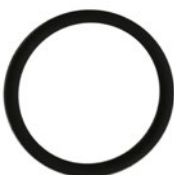
O-ring



- O-Ring for gas nozzle holder
- The O-Ring improves the shielding gas coverage during welding thanks to the optimised fixing and centring of the gas nozzle.
- The O-Ring is fitted to the gas nozzle holder.
- O-Ring for the PM 301W/MT 301 W

Designation	PU Units	Item no.	PG	Price Per unit
O-Ring for gas nozzle holder	10	094-025320-00000	B2	0.30 €

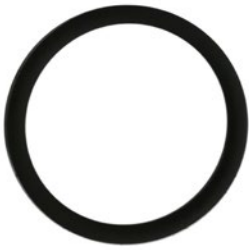
O-ring



- O-Ring for gas nozzle holder
- The O-Ring improves the shielding gas coverage during welding thanks to the optimised fixing and centring of the gas nozzle.
- The O-Ring is fitted to the gas nozzle holder.
- O-Ring for the PM 451 W/MT 451 W

Designation	PU Units	Item no.	PG	Price Per unit
O-Ring for gas nozzle holder	10	094-025089-00000	B2	0.36 €

O-ring



- O-Ring for gas nozzle holder
- The O-Ring improves the shielding gas coverage during welding thanks to the optimised fixing and centring of the gas nozzle.
- The O-Ring is fitted to the gas nozzle holder.
- O-Ring for the PM 551 W/MT 551 W

Designation	PU Units	Item no.	PG	Price Per unit
O-Ring for gas nozzle holder	10	094-022875-00000	B2	0.98 €

Lubricant



Designation	PU Units	Item no.	PG	Price Per unit
Lubricant	1	094-019445-00000	N1	1.06 €

O-Ring Picker



Designation	PU Units	Item no.	PG	Price Per unit
O-Ring Picker	1	098-005149-00000	B2	6.30 €

ADAP DINSE



- Adapter for welding torch with Euro torch connector on Cloos connection (gas/water on the outside) on the machine
- Cloos is a registered trademark of Carl Cloos Schweißtechnik GmbH

Designation	PU Units	Item no.	PG	Price Per unit
Adapter for welding torch with Euro torch connector on CLOOS connection (gas/water outside) on the machine	1	094-019852-00000	A2	127.00 €

ADAP DINSE



Designation	PU Units	Item no.	PG	Price Per unit
Adapter for welding torches with Dinse connector to use Euro torch connector on the machine	1	094-016765-00000	E1	149.00 €

Adapters and accessories

ADAP DINSE EZA/DZA



Designation	PU Units	Item no.	PG	Price Per unit
Adapter for welding torches with Euro torch connector to use Dinse connector on the machine	1	394-000134-00000	A2	128.00 €

Gastester



- Flow measurement directly on the welding torch

Version	Float type meter			
Designation	PU Units	Item no.	PG	Price Per unit
Flow meter	1	094-000074-00000	HW8	4.50 €

Torch key



- Torch key for fitting contact tip, contact tip holder and other accessories

Designation	PU Units	Item no.	PG	Price Per unit
Torch key	1	094-016038-00001	B2	1.01 €

Hose cutter



- Cutter for the cutting of PA and PTFE liners.

Designation	Item no.	PG	Price Per unit
Hose cutter	094-016585-00000	A2	18.10 €

Liner sharpener



- Sharpener for plastic liners

Designation	Item no.	PG	Price Per unit
Sharpener for plastic liners	094-010427-00000	E5	25.44 €

Original FIX®



- Handy Support Original FIX®
- Gentle contact points
- Powder-coated aluminium
- Complete with magnetic foot

Designation	PU Units	Item no.	PG	Price Per unit
MIG/MAG torch holder	1	098-004206-00000	HW8	15.10 €

Gas nozzle cleaner



- Nozzle cleaner for MIG/MAG welding torches
- Deposits inside the nozzle are removed by rotating the nozzle cleaner

Designation	PU Units	Item no.	PG	Price Per unit
Gas nozzle cleaner	1	098-000407-00000	E1	5.36 €

PM welding torch presentation case for demonstration purposes



- PM welding torch series samples case for presentations
- The perfect solution for quickly and conveniently presenting the various PM welding torches and accessories.
- Set includes:
 - Standard PM welding torch
 - 2U/D X function torch
 - RD2 X function torch
 - RD3 X function torch
 - Parallel double-circuit cooling
 - CW replaceable neck torch
 - EWM contact tip, contact tip holder, gas diffuser 221G/301W, 301G/451W, 401G/551W
 - Pistol grip
 - Optional torch trigger on top
 - Heat protection shield
 - EWM narrow-gap gas nozzle
 - Standard PM 551 WS welding torch
 - Tin-plated power/water cable
 - Grip for automated welding torches
 - Optional torch trigger extension

Designation	PU Units	Item no.	PG	Price Per unit
PM welding torch presentation case for demonstration purposes	1	094-025373-00000	N1	600.00 €

Adapters and accessories





MT welding torch presentation case for demonstration purposes



- MT torch series samples case
- Contains grips for different controls, torch neck cross sections (gas- and water-cooled) and consumables
- Eminently suitable for presentations on customers' premises

Designation	PU Units	Item no.	PG	Price Per unit
MT welding torch presentation case for demonstration purposes	1	094-020372-00000	N1	554.00 €

TIG welding torch symbols and abbreviations

	5-pole torch connection
	8-pole torch connection
	12-pole torch connection
	Torch hose package length

CW	Cold wire
D	Decentralised torch connection
EZA	Euro torch connector
F	Flexible torch neck
G	Gas cooled
GDV	Rotary gas valve
Grip	Ergonomic grip
Grip-Little	Very compact, ergonomic grip
HD	Heavy duty
HFL	Highly flexible hose package
HW	Hot wire
Retox	Retox control
SC	SuperCool/high-performance torch version
SR	Silicone rubber, standard torch for simple welding tasks
TIG	TIG series, optimised for more stringent requirements
TIG-MT	Automated welding torch from the TIG series
U/D	Control: Up/Down
W	Water cooled

TIG welding torches – TIG series

Highlights

- Manual, automatic, cold/hot wire and spot welding torches are all available.
- All manual welding torches from the TIG series are fitted with an ergonomic grip for extra-secure handling and an optimal feel when operating the torch.
- **Two consumables systems:**
 - TIG-SR for simple applications
 - TIG for power-intensive welding processes such as AC TIG or welding tasks with intense radiated heat (DC copper welding).
- EWM's TIG series is optimally matched to the strict requirements of today's industry and integrates innovative welding process like no other torch range.

Welding torch design

Consumables system

- TIG consumables system
- or TIG-SR consumables system

The perfect control for every user

- Double push-button
- Up/Down
- Retox
- Rotary gas valve: Optimised for TIG welding using MMA welding machines without gas valves (Pico series)

Top handling in any position

- Standard hose package
- or high flex leather version (HFL)
 - The first metre from the handle is covered in very hard-wearing yet soft nappa leather.
- Robust and flexible
- Maximum flexibility combined with optimum insulation
- High flexibility thanks to special hoses and leads inside the hose package



It's your choice:

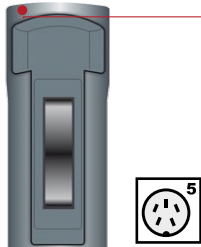
- Rigid torch neck
- or flexible torch neck (F) for optimal ergonomics in all welding positions and better accessibility

Ergonomic grip handle

- Grip handle ensures secure handling
- The Grip-Little handle allows welding to be carried out even in the tightest areas thanks to its extremely compact design.
- Optimal handling and maximum freedom of movement thanks to a ball joint and a light hose package.

Overview of TIG welding torch controls

- In order to meet the significant demands of TIG welding, the torches are available in a wide range of different models and can be fitted with a vast array of equipment.



Double push-button

- Large torch trigger with optimal pressure point
- Functions:
 - Switching the welding current on and off
 - During welding, the current can be reduced to a secondary current by tapping it.



Up/Down

- TIG up/down torches are equipped with two torch rocker switches.
- Functions:
 - Switching the welding current on and off
 - During welding, the current can be reduced to a secondary current by tapping it.
 - Continuous raising of the welding current during the welding process (Up function)
 - Continuous reduction of the welding current during the welding process (Down function)
 - In case of Synergic control, JOB switching is also possible.



Retox

- TIG Retox torches are equipped with two torch rocker switches.
- Functions:
 - Switching the welding current on and off
 - During welding, the current can be reduced to a secondary current by tapping it.
 - Continuous raising of the welding current during the welding process (Up function)
 - Continuous reduction of the welding current during the welding process (Down function)
 - Access to welding tasks (JOBS) defined on the welding machine
- Indicators for:
 - Welding current
 - or selected welding tasks (JOB numbers)



Single-push button

- Optimised for TIG welding with Euro torch connector (MIG/MAG welding machines)
- Functions:
 - Switching the welding current on and off

TIG welding torches – TIG series

SR consumables system

- The original TIG welding torch
- Internationally recognised standard
- Extremely simple design, low cost
- No noteworthy further development on a technical level
- Suitable for simple applications

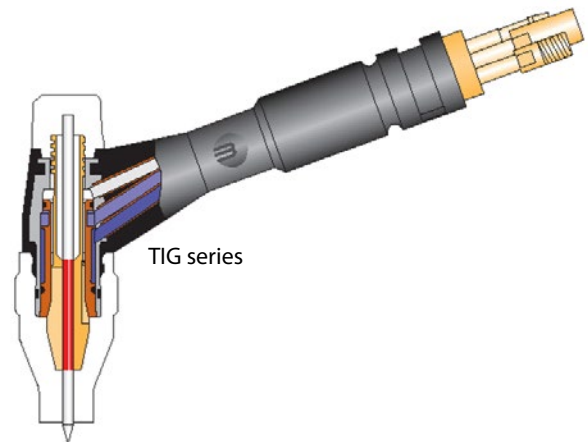
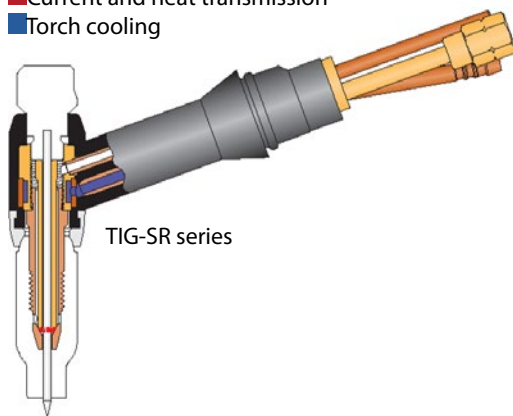
TIG consumables system

- Components streamlined to three consumables:
 - Back cap
 - Electrode holder or gas diffuser
 - Gas nozzle
- As a result, easily manageable warehousing and lower overall costs
- Easier adjustment of tungsten needle
- Simpler, quicker change of consumables
- No copies, so optimum quality assured
- For power-intensive welding processes such as AC TIG or welding tasks with intense radiated heat (DC copper welding)

TIG consumables system: 35% less heat development than TIG-SR consumables system

- The reduced distance between the power-transmitting surface and the cooling module together with the larger cooling areas of the consumables reduce the temperature at the front of the gas nozzle on the TIG torch by up to 180 °C.

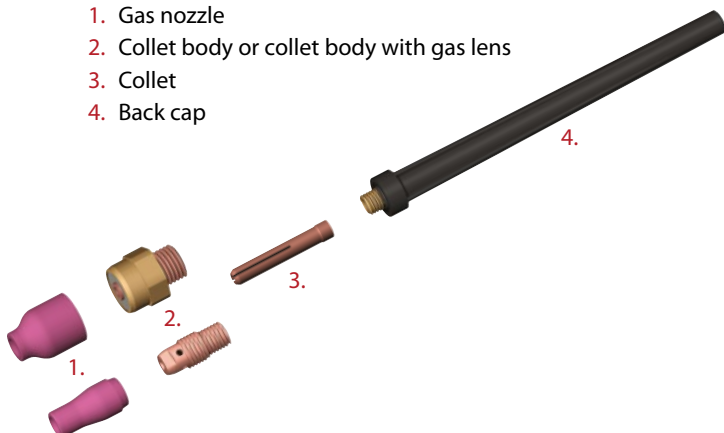
■ Current and heat transmission
 ■ Torch cooling



Consumables system design

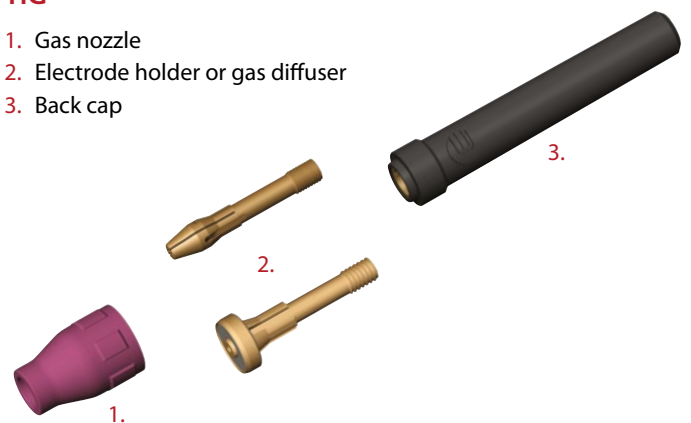
TIG-SR

1. Gas nozzle
2. Collet body or collet body with gas lens
3. Collet
4. Back cap



TIG

1. Gas nozzle
2. Electrode holder or gas diffuser
3. Back cap



Product overview

Gas-cooled TIG manual welding torch

TIG series

- Technological further development with optimised consumables set
- Each with two gas-cooled and two water-cooled welding torches with just 3 consumables – exceptionally user-friendly for all tasks

TIG-SR series

- Compatible with SR consumables

Versions

- Standard
- High flex leather
- Flexible torch neck

TIG 200
(DC 200 A/35%)

Versions

- Standard
- High flex leather
- Grip-Little

TIG 150
(DC 150 A/35%)

Versions

- High flex leather
- Flexible torch neck

TIG-SR 300 HD
(DC 300 A/35%)

- alternatively with rotary gas valve

TIG-SR 26
(DC 180 A/35%)

- alternatively with rotary gas valve

TIG-SR 17
(DC 140 A/35%)

Double push-button



Up/Down



Retox



Double push-button



Product overview

Water-cooled TIG manual welding torch

TIG series

- Technological further development with optimised consumables set
- Each with two gas-cooled and two water-cooled welding torches with just 3 consumables – exceptionally user-friendly for all tasks

TIG-SR series

- Compatible with SR consumables

Versions

- High flex leather

TIG 450SC
(DC 450 A/100%)

Versions

- Standard
- High flex leather

TIG 450
(DC 400 A/100%)

Versions

- Standard
- High flex leather
- Grip-Little

TIG 260
(DC 260 A/100%)

Versions

- Standard
- Grip-Little

TIG-SR 18SC
(DC 400 A/100%)

TIG-SR 18
(DC 320 A/100%)

TIG-SR 20
(DC 240 A/100%)

Double push-button

Up/Down

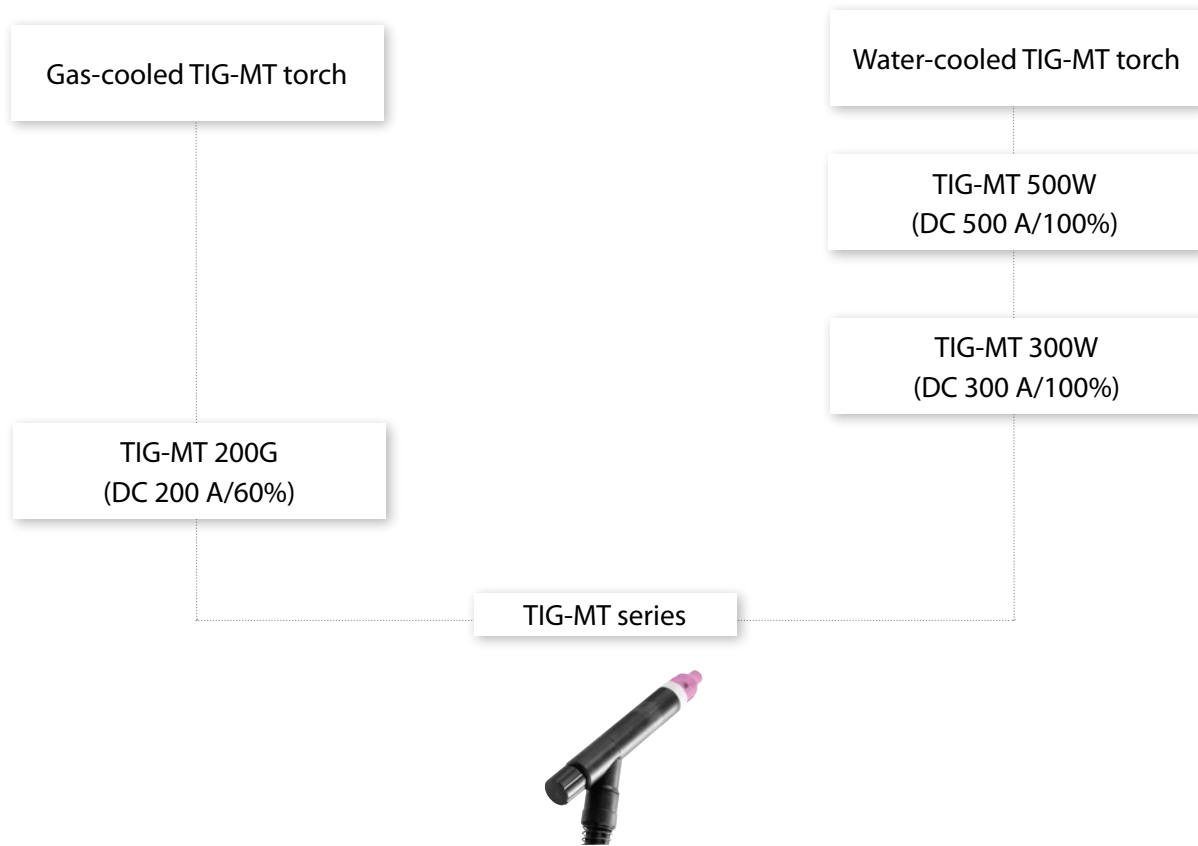
Retox

Double push-button

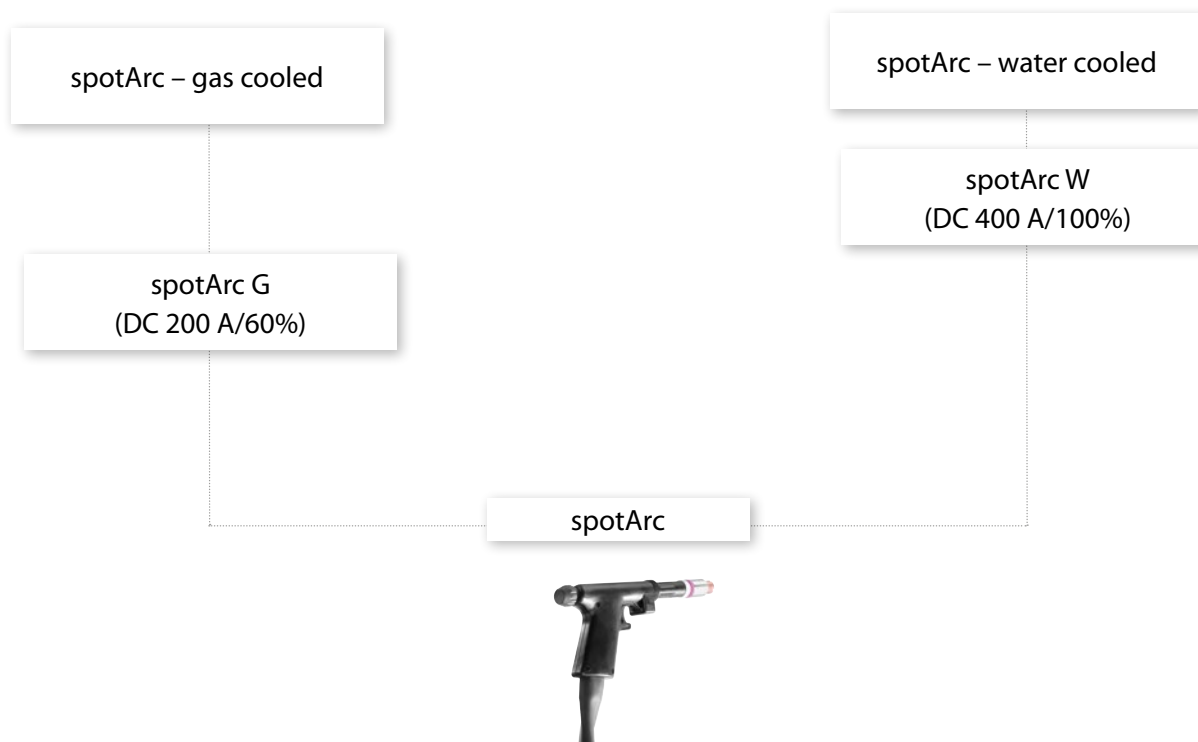


Product overview

TIG automated welding torch (TIG-MT series)



TIG spot welding torch (spotArc)



TIG cold/hot wire torches

High process reliability, high welding speed, extremely simple handling

You are optimally equipped for every task with our cold/hot wire torches, whether you require long weld seams, work in confined spaces or need positional welding.

We offer four different welding torches for your cold/hot wire welding tasks – there is one suitable for every application: small, versatile and high-performing with optimum shielding gas coverage.

Cold/hot wire torch with external wire feed

- Ideal for welding very hard or very soft wires (aluminium, chrome/nickel)
- No jamming of the wire in narrow feed spots

Cold/hot wire torch with internal wire feed

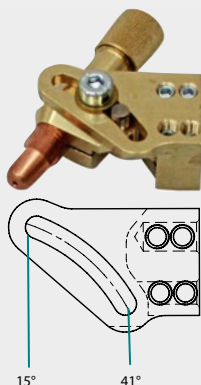
- Optimum handling since there is no wire feed in the way
- Excellent freedom of movement when welding



Our welding torches are fitted with a flexible wire support as standard. A large number of other equipment options are available to you to meet all application needs*:

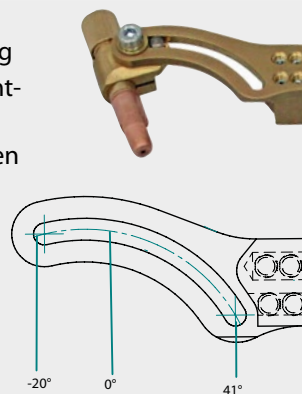
Flex bracket, short

- Standard equipment
- Can be used for most applications
- Freely adjustable between 15° and 41°



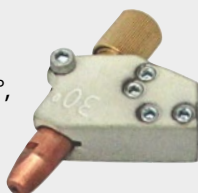
Flex bracket, long

- Specially for pipe welding
- Available in left- and right-handed design
- Freely adjustable between 20° and 41°



Fixed feed angle

- Easy adjustment
- Feed angle not adjustable
- Available with angles of 30°, 39° and 42°



Mini

- For very narrow operating points
- Suitable for cold wire only
- Optimum view of weld pool
- 35°



*You will find a detailed list of other equipment options in our spare parts catalogue.

TIG 260 CW/HW

- Highly compact design for working in confined spaces
- Optimum shielding gas coverage thanks to Multilayer gas diffuser
- 260 A/100% (DC)
- 185 A/100% (AC/DC)



TIG 450 CW/HW

- High duty cycles, ideal for long weld seams and continuous use
- Optimum shielding gas coverage thanks to Multilayer gas diffuser
- 400 A/100% (DC)
- 280 A/100% (AC/DC)



TIG-SR 18 CW/HW

- Consumables compatible with SR-18 welding torches
- 300 A/100% (DC)
- 210 A/100% (AC/DC)



comfyTig CW/HW

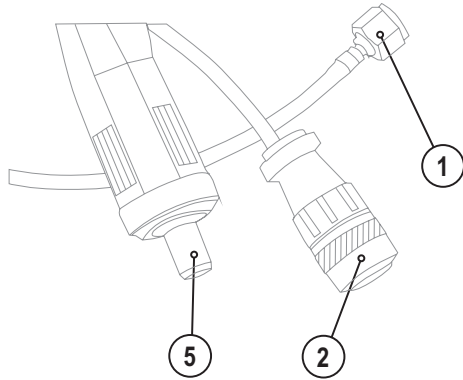
- TIG cold/hot wire torch in MIG/MAG grip
- Easy for welder to adapt to TIG welding after MIG/MAG welding
- Consumables compatible with SR-18 SC welding torches
- 300 A/100% (DC)
- 210 A/100% (AC/DC)



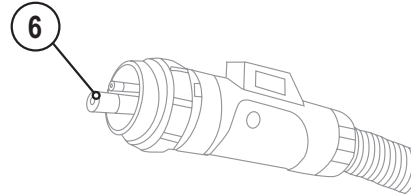
TIG welding torch connections

Gas-cooled TIG welding torches

Decentralised torch connection

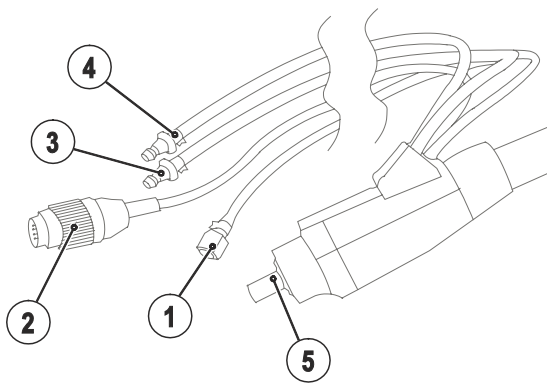


Euro torch connector

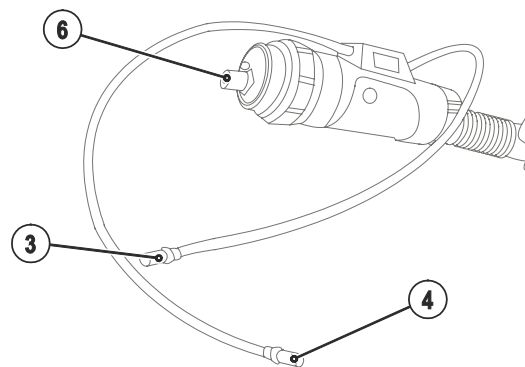


Water-cooled TIG welding torches

Decentralised torch connection



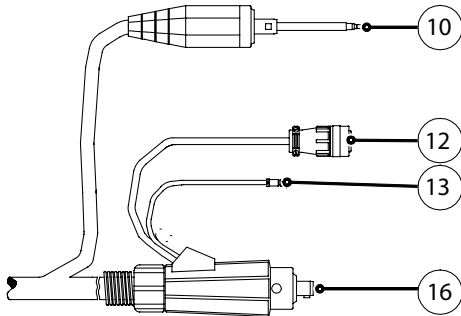
Euro torch connector



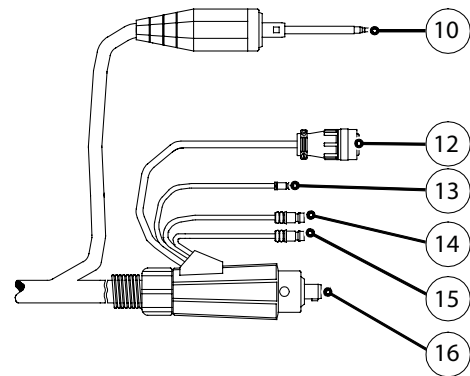
Item	Description
1	Shielding gas connection: G $\frac{1}{4}$ " connecting nipple
2	Control cable assembly
3	Coolant return: quick connect coupling, red
4	Coolant feed: quick connect coupling, blue
5	Welding current connection: Decentralised connection
6	Euro torch connector

Cold/hot wire torch connectors

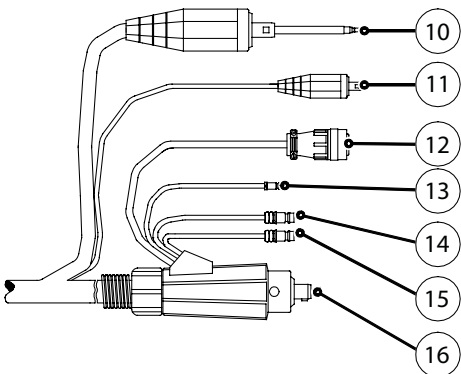
Cold wire – gas cooled



Cold wire – water cooled



Hot wire – water cooled



Item	Description
10	Wire guide connector plug
11	Welding current connector plug (hot wire)
12	Control cable assembly
13	Shielding gas: Quick connect coupling
14	Coolant return: quick connect coupling, red
15	Coolant feed: quick connect coupling, blue
16	Welding current connection: Decentralised connection

Colour codes for tungsten electrodes

Identification code	Weight of oxide in %	Oxide	Colour	In product range
WP	-	-	Green	Yes
WT 4	0.35–0.55	Th	Light blue	No
WT 10	0.80–1.20	Th	Yellow	No
WT 20	1.70–2.20	Th	Red	No
WT 30	2.80–3.20	Th	Purple	No
WT 40	3.80–4.20	Th	Orange	No
WZ 3	0.15–0.50	Zr	Brown	No
WZ 8	0.70–0.90	Zr	White	No
WL 10	0.90–1.20	La	Black	On request
WL 15	1.40–1.60	La	Gold	Yes
WL 20	1.80–2.20	La	Dark blue	Yes
WC 20	1.80–2.20	Ce	Grey	Yes
WR 2*	Mixed oxides	Rare earths	Turquoise	Yes
E3®	Mixed oxides	Rare earths	Purple	Yes
Lymox Lux®	Mixed oxides	Rare earths	Pink/grey	Yes

*WR 2 not yet standardised

Th: Thorium; Zr: Zirconium; La: Lanthanum oxide; Ce: Cerioxide

WP electrodes

- / Pure tungsten electrodes
- / AC welding of aluminium alloys
- / Not suitable for DC welding

WZ electrodes

- / Lower risk of contamination of weld thanks to addition of zirconium
- / Tungsten electrodes for AC welding of aluminium alloys
- / Only limited suitability for DC welding

WC electrodes

- / Very good ignition and reignition characteristics thanks to cerioxide
- / Suitable for DC and AC welding
- / Can be used for unalloyed and high-alloy steels and aluminium, titanium, nickel, copper and magnesium alloys in the lower and mid current range
- / Good substitute for WT electrodes

E3 electrode

- / Variable non-standardised composition
- / Suitable for DC and AC welding
- / Can be used for unalloyed and high-alloy steels and aluminium, titanium, nickel, copper and magnesium alloys in the lower and mid current range
- / Long service life and very durable
- / Good alternative to WT electrodes

WT electrodes

- / Slightly radioactive due to addition of thorium
- / Refrain from using due to increased health risks
- / Improved ignition characteristics and better current-carrying capacity compared to WP electrodes

WL electrodes

- / Increased ignitability thanks to lanthanum oxide
- / Suitable for DC and AC welding
- / Can be used for unalloyed and high-alloy steels; aluminium, titanium, nickel, copper and magnesium alloys; and for microplasma welding
- / Ideal for use in low current range
- / Good substitute for WT electrodes

WR electrodes

- / Variable non-standardised composition
- / Suitable for DC and AC welding
- / Can be used for unalloyed and high-alloy steels and aluminium, titanium, nickel, copper and magnesium alloys in the lower and mid current range
- / Long service life and very durable

Thoriated tungsten electrodes

- / **Quote from BGI 746:**
"Tungsten electrodes containing thorium oxide may only be used for urgent technical reasons, as stated in Section 6.2.3 of BGR 220. When using these, the guidelines of the German Radiation Protection Act must be observed at all times."
- / **Thoriated tungsten electrodes have been removed from our product range.**

TIG welding torches - Gas cooled – TIG series

TIG-SR 17/26

TIG-SR 17	298
TIG-SR 17 GDV	298
TIG-SR 26	299
TIG-SR 26 GDV	299

TIG-SR 300 HD

TIG-SR 300 GD HD	302
TIG-SR 300F GD HD	302

TIG 150

TIG 150 GRIP Little GD HFL	305
TIG 150 GRIP GD HFL	305
TIG 150 GRIP GD	306
TIG 150 GRIP Little GD HFL U/D	306
TIG 150 GRIP GD U/D HFL	306
TIG 150 GRIP GD U/D	307
TIG 150 GRIP GD RETOX HFL	307
TIG 150 GRIP GD EZA	307

TIG 200

TIG 200 GRIP GD HFL	310
TIG 200F GRIP GD HFL	310
TIG 200F GRIP GD	311
TIG 200 GRIP GD	311
TIG 200 GRIP GD U/D HFL	311
TIG 200F GRIP GD U/D HFL	312
TIG 200F GRIP GD U/D	312
TIG 200 GRIP GD U/D	312
TIG 200 GRIP GD RETOX HFL	313
TIG 200 GD 5P RETOX XQ HFL	313
TIG 200 GRIP GD EZA	313
TIG 200/450	315

TIG welding torches - Water cooled – TIG series

TIG-SR 20

TIG-SR 20 GRIP Little WD HFL	316
TIG-SR 20 GRIP WD	316
TIG-SR 20 GRIP Little WD U/D HFL	317

TIG-SR 18

TIG-SR 18 GRIP WD	320
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TIG-SR 18SC

TIG-SR 18SC GRIP WD	322
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TIG 260

TIG 260 GRIP Little WD HFL	324
TIG 260 GRIP WD HFL	324
TIG 260 GRIP WD	324
TIG 260 GRIP Little WD U/D HFL	325
TIG 260 GRIP WD U/D HFL	325
TIG 260 GRIP WD U/D	325
TIG 260 GRIP WD RETOX HFL	326
TIG 260 WD 5P RETOX XQ HFL	326

TIG 450/450 SC

TIG 450 GRIP WD HFL	328
TIG 450 GRIP WD	328
TIG 450 GRIP WD U/D HFL	329
TIG 450 GRIP WD U/D	329
TIG 450 GRIP WD RETOX HFL	329
TIG 450 GRIP WD EZA	330
TIG 450SC GRIP WD HFL	330
TIG 450SC GRIP WD U/D HFL	330
TIG 450SC GRIP WD RETOX HFL	331
TIG 200/450	333

TIG welding torches - Cold/hot wire torches

TIG-SR 18 CW/HW

TIG-SR 18 GRIP WD CW U/D HFL	334
TIG-SR 18 GRIP WD HW U/D HFL	334
TIG-SR 18 GRIP WD CW WO U/D HFL	335
TIG-SR 18 GRIP WD HW WO U/D HFL	335

TIG 260 CW/HW

TIG 260 GRIP WD CW U/D HFL	338
TIG 260 GRIP WD HW U/D HFL	338
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TIG 200/450 CW/HW

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TIG welding torches - Automated welding torch – TIG-MT series

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TIG-SR 17/26

„Consumables TIG-SR 17/26“ on page 300

- Compatible with SR replacement parts
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Excellent HF safety



Equipment as delivered:

- Collet body: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode E3 (purple): Ø 2.4 mm
- Back cap “long”

TIG-SR 17



Shielding gas supply	G 1/4" RH, crown nut
Approvals	CE sign

- Gas-cooled TIG welding torch
- Double push-button
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the “ADAP 8-5 POL” adapter can be alternatively used

Duty cycle DC-	140 A / 35 %
Duty cycle AC	100 A / 35 %
Electrode Ø	0.5 mm - 2.4 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, gas-cooled	4.0	Tuchel, 5-pole	394-511623-00600	E4	162.00 €
	8.0		394-511623-00608	E4	191.00 €

TIG-SR 17 GDV



- Gas cooled TIG welding torch with rotary gas valve
- For connection to welding machines without gas valve (Pico 162)

Duty cycle DC-	140 A / 35 %
Duty cycle AC	100 A / 35 %
Electrode Ø	0.5 mm - 2.4 mm
Torch connection	Decentral 25 mm ² (pin Ø 9 mm ²)

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, rotary gas valve, gas-cooled, decentral	4.0	-	094-511623-00100	E4	146.00 €
	8.0		094-511623-00108	E4	174.00 €



„Consumables TIG-SR 17/26“ on page 300

TIG-SR 26



- Gas-cooled TIG welding torch
- Double push-button
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the “ADAP 8-5 POL” adapter can be alternatively used

Duty cycle DC-	180 A / 35 %
Duty cycle AC	130 A / 35 %
Electrode Ø	0.5 mm - 4 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, gas-cooled	4.0	Tuchel, 5-pole	394-511621-00600	E4	166.00 €
	8.0		394-511621-00608	E4	202.00 €

TIG-SR 26 GDV

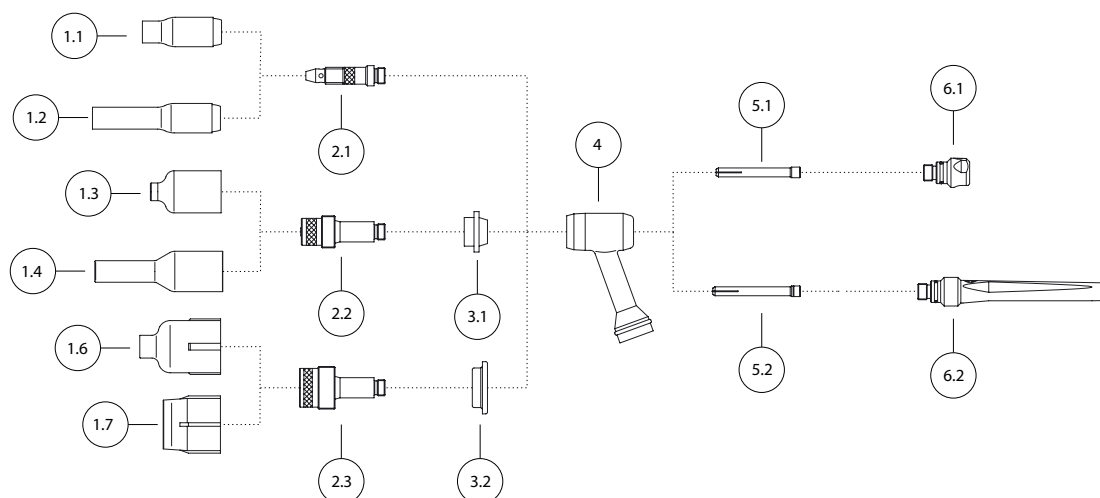


- Gas cooled TIG welding torch with rotary gas valve
- For connection to welding machines without gas valve (Pico series apart from Pico 162)

Duty cycle DC-	180 A / 35 %
Duty cycle AC	130 A / 35 %
Electrode Ø	0.5 mm - 4 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, rotary gas valve, gas-cooled, decentral	4.0	-	094-511621-00100	E4	166.00 €
	8.0		094-511621-00108	E4	201.00 €

Consumables TIG-SR 17/26



► The illustrations shown above merely serve as examples. Depending on the version, the actual product may be different.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.1	Gas nozzle	4	-	6.5	47	Ceramic	10	094-001316-00000	E4	1.03 €
1.1	Gas nozzle	5	-	8	47	Ceramic	10	094-000926-00000	E4	1.03 €
1.1	Gas nozzle	6	-	9.5	47	Ceramic	10	094-001317-00000	E4	1.03 €
1.1	Gas nozzle	7	-	11	47	Ceramic	10	094-000927-00000	E4	1.03 €
1.1	Gas nozzle	8	-	12.5	47	Ceramic	10	094-000929-00000	E4	1.03 €
1.1	Gas nozzle	10	-	16	47	Ceramic	10	094-001318-00000	E4	1.03 €
1.1	Gas nozzle	12	-	19.5	50	Ceramic	10	094-001319-00000	E6	1.21 €
1.2	Gas nozzle	5	-	8	76	Ceramic	10	094-012691-00000	E4	2.11 €
1.2	Gas nozzle	6	-	9.5	76	Ceramic	10	094-012692-00000	E4	2.11 €
1.2	Gas nozzle	7	-	11	76	Ceramic	10	094-012693-00000	E4	2.11 €
1.3	Gas nozzle for gas lens	4	-	6.5	42	Ceramic	10	094-001320-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	5	-	8	42	Ceramic	10	094-001321-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	6	-	9.5	42	Ceramic	10	094-001322-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	7	-	11	42	Ceramic	10	094-001195-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	8	-	12.5	42	Ceramic	10	094-001196-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	12	-	19.5	42	Ceramic	10	094-001323-00000	E4	1.72 €
1.4	Gas nozzle for gas lens	5	-	8	76	Ceramic	10	094-011135-00000	E4	2.83 €
1.4	Gas nozzle for gas lens	6	-	9.5	76	Ceramic	10	094-011136-00000	E4	2.83 €
1.4	Gas nozzle for gas lens	7	-	11	76	Ceramic	10	094-012694-00000	E4	2.83 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	6	-	9.5	48	Ceramic	10	094-011642-00000	E4	2.96 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	8	-	12.5	48	Ceramic	10	094-011643-00000	E4	2.96 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	10	-	16	48	Ceramic	10	094-011644-00000	E4	2.96 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	12	-	19.5	48	Ceramic	10	094-003136-00000	E4	2.96 €
1.7	Ceramic gas nozzle for gas lens, JUMBO	12	-	24	34	Ceramic	10	094-012686-00000	E4	2.96 €
2.1	Clamping sleeve housings	-	1.6	-	-	Copper	10	094-000936-00000	E4	2.78 €
2.1	Clamping sleeve housings	-	2 - 2.4	-	-	Copper	10	094-000937-00000	E4	2.78 €
2.1	Clamping sleeve housings	-	3.2	-	-	Copper	10	094-000940-00000	E4	2.78 €
2.1	Clamping sleeve housings	-	4	-	-	Copper	10	094-001315-00000	E4	2.78 €
2.2	Collet body with gas lens	-	1.6	-	-	Brass	10	094-001325-00000	E4	7.80 €
2.2	Collet body with gas lens	-	2 - 2.4	-	-	Brass	10	094-001192-00000	E4	7.80 €
2.2	Collet body with gas lens	-	3.2	-	-	Brass	10	094-001193-00000	E4	7.80 €
2.2	Collet body with gas lens	-	4	-	-	Brass	10	094-001326-00000	E4	7.80 €
2.3	Collet body with gas lens, JUMBO	-	1.6	-	-	Brass	5	094-003137-00010	E4	16.22 €
2.3	Collet body with gas lens, JUMBO	-	2.4	-	-	Brass	5	094-003137-00000	E4	16.22 €
2.3	Collet body with gas lens, JUMBO	-	3.2	-	-	Brass	5	094-000000-00000	E4	16.22 €
2.3	Collet body with gas lens, JUMBO	-	4	-	-	Brass	5	094-011641-00000	E4	16.22 €

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Units	Item no.	PG	Price Per unit
3.1	Adapters	XL	-	-	-	Teflon	10	094-001194-00000	E6	1.38 €
3.2	Adapter, JUMBO	XXL	-	-	-	Teflon	5	094-003138-00000	E6	4.43 €
4	Insulator	Standard	-	-	-	Teflon	10	094-001307-00000	E6	0.94 €
5.1	Collet	-	1.6	-	50	Copper	10	094-000931-00000	E4	1.38 €
5.1	Collet	-	2.4	-	50	Copper	10	094-000932-00000	E4	1.38 €
5.1	Collet	-	3.2	-	50	Copper	10	094-000935-00000	E4	1.38 €
5.1	Collet	-	4	-	50	Copper	10	094-001312-00000	E4	1.38 €
5.1	Long-life collet	-	1	-	50	-	5	094-022725-00000	HW8	2.52 €
5.1	Long-life collet	-	1.6	-	50	-	5	094-022726-00000	HW8	2.52 €
5.1	Long-life collet	-	2.4	-	50	-	5	094-021663-00000	HW8	2.52 €
5.1	Long-life collet	-	3.2	-	50	-	5	094-022727-00000	HW8	2.52 €
5.1	Long-life collet	-	4	-	50	-	5	094-022728-00000	HW8	2.52 €
5.2	Collet	-	1.6	-	52	-	10	094-003402-00000	E4	1.38 €
5.2	Collet	-	2.4	-	52	-	10	094-003241-00000	E4	1.38 €
5.2	Collet	-	3.2	-	52	-	10	094-003242-00000	E4	1.38 €
5.2	Collet	-	4	-	52	-	10	094-008583-00000	E4	1.38 €
6.1	Back cap, short	short	-	-	31	Plastic	10	094-001120-00000	E6	3.79 €
6.2	Back cap, long	long	-	-	114	Plastic	10	094-001114-00000	E6	4.73 €

SR 17/18/26/300HD



- Replacement parts set for TIG welding torches, types SR 17/18/26 and TIG-SR 300 HD
- Comprises the following:
 - 2 torch caps (short, long)
 - 6 collets (2 x D = 1.6 mm, 2 x D = 2.4 mm and 2 x D = 3.2 mm)
 - 3 collet casings (1 x D = 1.6 mm, 1 x D = 2.4 mm and 1 x D = 3.2 mm)
 - 3 gas nozzles (1 x D = 8.0 mm, 1 x D = 11 mm and 1 x D = 12.5 mm/L = 47 mm)
 - 2 insulators
 - 6 tungsten electrodes (2 x D = 1.6 mm, 2 x D = 2.4 mm and 2 x D = 3.2 mm/L = 175 mm)

Designation	Item no.	PG	Price Per unit
Replacement parts set	092-015254-00000	B2	105.00 €

TIG-SR 300 HD

„Consumables TIG-SR 300 HD“ on page 303

- Very high duty cycle
- Compatible with SR replacement parts
- Double push-button
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the “ADAP 8-5 POL” adapter can be alternatively used
- Excellent HF safety

Equipment as delivered:

- Collet body: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode WCe 20 (grey): Ø 2.4 mm
- Back cap “long”



Duty cycle DC-	300 A / 35 %
Duty cycle AC	250 A / 35 %
Electrode Ø	1.6 mm - 4 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Shielding gas supply	G 1/4" RH, crown nut
Approvals	CE sign

TIG-SR 300 GD HD



- Gas-cooled TIG welding torch





Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, gas-cooled	4.0	Tuchel, 5-pole	094-020967-10600	B1	363.00 €
	8.0		094-020967-10608	B1	458.00 €

TIG-SR 300F GD HD

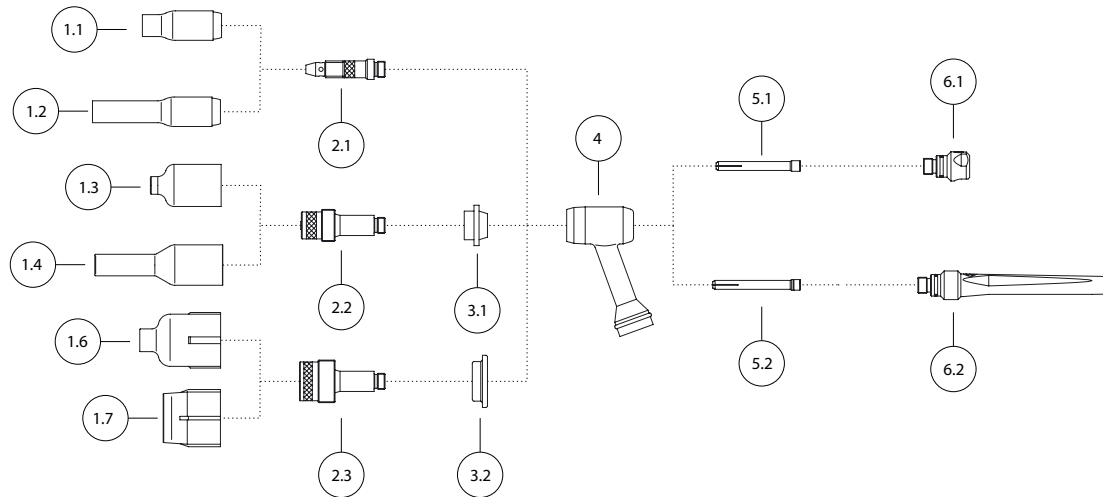


- Gas cooled TIG welding torch with a flexible torch neck



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, gas cooled	4.0	Tuchel, 5-pole	094-020968-10600	B1	384.00 €
	8.0		094-020968-10608	B1	480.00 €

Consumables TIG-SR 300 HD



► The illustrations shown above merely serve as examples. Depending on the version, the actual product may be different.

Item	Designation	Size	Electrode Ø mm	Nozzle Ø mm	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.1	Gas nozzle	4	-	6.5	47	Ceramic	10	094-001316-00000	E4	1.03 €
1.1	Gas nozzle	5	-	8	47	Ceramic	10	094-000926-00000	E4	1.03 €
1.1	Gas nozzle	6	-	9.5	47	Ceramic	10	094-001317-00000	E4	1.03 €
1.1	Gas nozzle	7	-	11	47	Ceramic	10	094-000927-00000	E4	1.03 €
1.1	Gas nozzle	8	-	12.5	47	Ceramic	10	094-000929-00000	E4	1.03 €
1.1	Gas nozzle	10	-	16	47	Ceramic	10	094-001318-00000	E4	1.03 €
1.1	Gas nozzle	12	-	19.5	50	Ceramic	10	094-001319-00000	E6	1.21 €
1.2	Gas nozzle	5	-	8	76	Ceramic	10	094-012691-00000	E4	2.11 €
1.2	Gas nozzle	6	-	9.5	76	Ceramic	10	094-012692-00000	E4	2.11 €
1.2	Gas nozzle	7	-	11	76	Ceramic	10	094-012693-00000	E4	2.11 €
1.3	Gas nozzle for gas lens	4	-	6.5	42	Ceramic	10	094-001320-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	5	-	8	42	Ceramic	10	094-001321-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	6	-	9.5	42	Ceramic	10	094-001322-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	7	-	11	42	Ceramic	10	094-001195-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	8	-	12.5	42	Ceramic	10	094-001196-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	12	-	19.5	42	Ceramic	10	094-001323-00000	E4	1.72 €
1.4	Gas nozzle for gas lens	5	-	8	76	Ceramic	10	094-011135-00000	E4	2.83 €
1.4	Gas nozzle for gas lens	6	-	9.5	76	Ceramic	10	094-011136-00000	E4	2.83 €
1.4	Gas nozzle for gas lens	7	-	11	76	Ceramic	10	094-012694-00000	E4	2.83 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	6	-	9.5	48	Ceramic	10	094-011642-00000	E4	2.96 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	8	-	12.5	48	Ceramic	10	094-011643-00000	E4	2.96 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	10	-	16	48	Ceramic	10	094-011644-00000	E4	2.96 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	12	-	19.5	48	Ceramic	10	094-003136-00000	E4	2.96 €
1.7	Ceramic gas nozzle for gas lens, JUMBO	12	-	24	34	Ceramic	10	094-012686-00000	E4	2.96 €
2.1	Clamping sleeve housings	-	1.6	-	-	Copper	10	094-000936-00000	E4	2.78 €
2.1	Clamping sleeve housings	-	2 - 2.4	-	-	Copper	10	094-000937-00000	E4	2.78 €
2.1	Clamping sleeve housings	-	3.2	-	-	Copper	10	094-000940-00000	E4	2.78 €
2.1	Clamping sleeve housings	-	4	-	-	Copper	10	094-001315-00000	E4	2.78 €
2.2	Collet body with gas lens	-	1.6	-	-	Brass	10	094-001325-00000	E4	7.80 €
2.2	Collet body with gas lens	-	2 - 2.4	-	-	Brass	10	094-001192-00000	E4	7.80 €
2.2	Collet body with gas lens	-	3.2	-	-	Brass	10	094-001193-00000	E4	7.80 €
2.2	Collet body with gas lens	-	4	-	-	Brass	10	094-001326-00000	E4	7.80 €

Consumables TIG-SR 300 HD

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU	Item no.	PG	Price
							Units			Per unit
2.3	Collet body with gas lens, JUMBO	-	1.6	-	-	Brass	5	094-003137-00010	E4	16.22 €
2.3	Collet body with gas lens, JUMBO	-	2.4	-	-	Brass	5	094-003137-00000	E4	16.22 €
2.3	Collet body with gas lens, JUMBO	-	3.2	-	-	Brass	5	094-000000-00000	E4	16.22 €
2.3	Collet body with gas lens, JUMBO	-	4	-	-	Brass	5	094-011641-00000	E4	16.22 €
3.1	Adapters	XL	-	-	-	Teflon	10	094-001194-00000	E6	1.38 €
3.2	Adapter, JUMBO	XXL	-	-	-	Teflon	5	094-003138-00000	E6	4.43 €
4	Insulator	Standard	-	-	-	Teflon	10	094-001307-00000	E6	0.94 €
5.1	Collet	-	1.6	-	50	Copper	10	094-000931-00000	E4	1.38 €
5.1	Collet	-	2.4	-	50	Copper	10	094-000932-00000	E4	1.38 €
5.1	Collet	-	3.2	-	50	Copper	10	094-000935-00000	E4	1.38 €
5.1	Long-life collet	-	1	-	50	-	5	094-022725-00000	HW8	2.52 €
5.1	Long-life collet	-	1.6	-	50	-	5	094-022726-00000	HW8	2.52 €
5.1	Long-life collet	-	2.4	-	50	-	5	094-021663-00000	HW8	2.52 €
5.1	Long-life collet	-	3.2	-	50	-	5	094-022727-00000	HW8	2.52 €
5.2	Collet	-	1.6	-	52	-	10	094-003402-00000	E4	1.38 €
5.2	Collet	-	2.4	-	52	-	10	094-003241-00000	E4	1.38 €
5.2	Collet	-	3.2	-	52	-	10	094-003242-00000	E4	1.38 €
5.2	Collet	-	4	-	52	-	10	094-008583-00000	E4	1.38 €
6.1	Back cap, short	short	-	-	31	Plastic	10	094-001120-00000	E6	3.79 €
6.2	Back cap, long	long	-	-	114	Plastic	10	094-001114-00000	E6	4.73 €

SR 17/18/26/300HD



- Replacement parts set for TIG welding torches, types SR 17/18/26 and TIG-SR 300 HD
- Comprises the following:
 - 2 torch caps (short, long)
 - 6 collets (2 x D = 1.6 mm, 2 x D = 2.4 mm and 2 x D = 3.2 mm)
 - 3 collet casings (1 x D = 1.6 mm, 1 x D = 2.4 mm and 1 x D = 3.2 mm)
 - 3 gas nozzles (1 x D = 8.0 mm, 1 x D = 11 mm and 1 x D = 12.5 mm/L = 47 mm)
 - 2 insulators
 - 6 tungsten electrodes (2 x D = 1.6 mm, 2 x D = 2.4 mm and 2 x D = 3.2 mm/L = 175 mm)

Designation	Item no.	PG	Price Per unit
Replacement parts set	092-015254-00000	B2	105.00 €

TIG 150

„Consumables TIG 150“ on page 308

- Excellent HF safety

Equipment as delivered:

- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm
- Back cap "medium"



TIG 150 GRIP Little GD HFL



Duty cycle DC-	150 A / 35 %
Duty cycle AC	105 A / 35 %
Electrode Ø	1 mm - 2.4 mm
Approvals	CE sign

- Gas-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Especially compact GRIP grip, perfectly suitable for welding tasks that are difficult to access
- Double push-button
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the "ADAP 8-5 POL" adapter can be alternatively used

Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Shielding gas supply	G 1/4" RH, crown nut



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, gas-cooled	4.0	Tuchel, 5-pole	394-512292-10600	E4	272.00 €
	8.0		394-512292-10608	E4	333.00 €

TIG 150 GRIP GD HFL



- Gas-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Double push-button
- Ergonomic GRIP handle for a secure hold and ergonomic use
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the "ADAP 8-5 POL" adapter can be alternatively used

Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Shielding gas supply	G 1/4" RH, crown nut

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, gas-cooled	4.0	Tuchel, 5-pole	394-512291-10600	E4	242.00 €
	8.0		394-512291-10608	E4	294.00 €

TIG 150



„Consumables TIG 150“ on page 308

TIG 150 GRIP GD



- Gas-cooled TIG welding torch
- Double push-button
- Ergonomic GRIP handle for a secure hold and ergonomic use
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the “ADAP 8-5 POL” adapter can be alternatively used

Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Shielding gas supply	G 1/4" RH, crown nut



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, gas-cooled	4.0	Tuchel, 5-pole	394-512291-00600	E4	188.00 €
	8.0		394-512291-00608	E4	218.00 €

TIG 150 GRIP Little GD HFL U/D



- Gas-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Especially compact GRIP grip, perfectly suitable for welding tasks that are difficult to access
- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Suitable for machines from the Tetrax-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side

Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 8-pole
Shielding gas supply	G 1/4" RH, crown nut



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, up/down, gas-cooled	4.0	Burndy, 8-pole	394-512292-10200	E4	322.00 €
	8.0		394-512292-10208	E4	385.00 €

TIG 150 GRIP GD U/D HFL



- Gas-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Suitable for machines from the Tetrax-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side

Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 8-pole
Shielding gas supply	G 1/4" RH, crown nut

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, up/down, gas-cooled	4.0	Burndy, 8-pole	394-512291-10200	E4	283.00 €
	8.0		394-512291-10208	E4	339.00 €



„Consumables TIG 150“ on page 308

TIG 150 GRIP GD U/D



- Gas-cooled TIG welding torch
- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Suitable for machines from the Tetrix-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side

Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 8-pole
Shielding gas supply	G 1/4" RH, crown nut



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, up/down, gas-cooled	4.0		394-512291-00200	E4	252.00 €
	8.0	Burndy, 8-pole	394-512291-00208	E4	294.00 €

TIG 150 GRIP GD RETOX HFL



- Gas-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Setting and display of welding current and programs
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Not possible with Picotig 200 DC and machines with Smart 2.0 control
- "ON 12-pole connection socket" option required on machine side

Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 12-pole
Shielding gas supply	G 1/4" RH, crown nut


Designation			Item no.	PG	Price
	m				Per unit
TIG function torch, Retox, gas-cooled	4.0		394-512291-10700	E4	397.00 €
	8.0	Burndy, 12-pole	394-512291-10708	E4	461.00 €

TIG 150 GRIP GD EZA

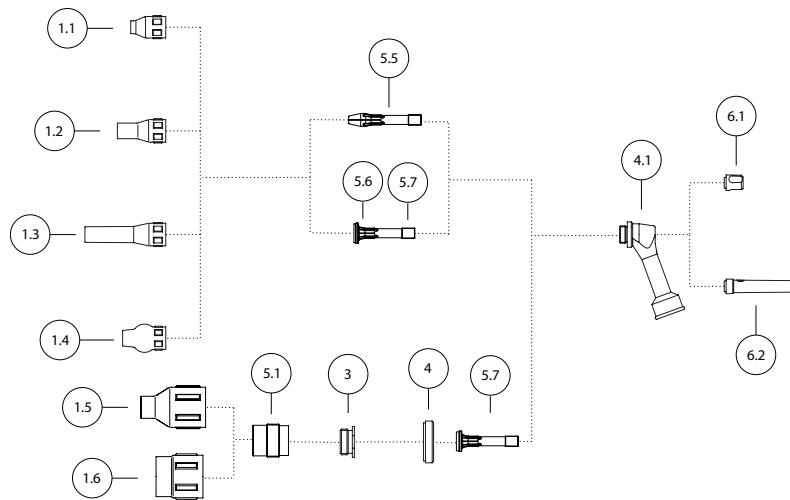


- Gas-cooled TIG welding torch
- Euro torch connector for the operation on gas-cooled MIG/MAG welding machines
- Single-push button
- Ergonomic GRIP handle for a secure hold and ergonomic use

Torch connection	Euro torch connector
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Designation		Item no.	PG	Price
	m			Per unit
TIG welding torch, Euro torch connector	4.0	394-512291-04000	E4	230.00 €
	8.0	394-512291-04008	E4	276.00 €

Consumables TIG 150



► The illustrations shown above merely serve as examples. Depending on the version, the actual product may be different.

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Length	Material	PU	Item no.	PG	Price
			mm	mm	mm		Units			Per unit
1.1	Gas nozzle	4	-	6.5	26	Ceramic	10	094-012672-00000	E4	2.03 €
1.1	Gas nozzle	6	-	8	26	Ceramic	10	094-012405-00000	E4	2.03 €
1.1	Gas nozzle	8	-	9.5	26	Ceramic	10	094-011756-00000	E4	2.03 €
1.1	Gas nozzle	10	-	11.5	26	Ceramic	10	094-011980-00000	E4	2.03 €
1.2	Gas nozzle	6	-	6.5	36	Ceramic	10	094-012673-00000	E4	2.40 €
1.2	Gas nozzle	7	-	8	36	Ceramic	10	094-012674-00000	E4	2.40 €
1.2	Gas nozzle	8	-	10	36	Ceramic	10	094-011982-00000	E4	2.40 €
1.2	Gas nozzle	10	-	11.5	36	Ceramic	10	094-011757-00000	E4	2.40 €
1.3	Gas nozzle	-	-	6.5	60	Ceramic	10	094-015451-00000	E4	5.92 €
1.3	Gas nozzle	-	-	8	60	Ceramic	10	398-000191-00000	E4	5.92 €
1.4	Gas nozzle, ball-shape design	-	-	6.5	32	Ceramic	10	094-019610-00000	E4	2.03 €
1.4	Gas nozzle, ball-shape design	-	-	8	32	Ceramic	10	394-000156-00000	E4	2.03 €
1.4	Gas nozzle, ball-shape design	-	-	9.5	32	Ceramic	10	394-000155-00000	E4	2.03 €
1.4	Gas nozzle, ball-shape design	-	-	11	32	Ceramic	10	094-019609-00000	E4	2.03 €
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000	E4	2.89 €
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000	E4	2.89 €
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000	E4	2.89 €
1.6	Gas nozzle for gas diffuser, JUMBO	24	-	24	34	Ceramic	10	094-011999-00000	E4	2.89 €
3	Adapter ring, JUMBO	XL	-	-	-	Brass	10	094-011758-00000	E4	7.28 €
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-011760-00000	E4	21.31 €
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011979-00000	E4	2.28 €
5.1	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000	E4	43.72 €
5.1	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000	E4	43.72 €
5.1	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	1.6	-	-	-	1	094-023020-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	2.4	-	-	-	1	094-022685-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	3.2	-	-	-	1	094-023021-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	4	-	-	-	1	094-023022-00000	E4	43.72 €
5.5	Electrode holders	-	1.6	-	35	Brass	5	094-012406-00000	E4	6.82 €
5.5	Electrode holders	-	2.4	-	35	Brass	5	094-011755-00000	E4	6.82 €
5.5	Electrode holders	-	3.2	-	35	Brass	5	094-012667-00000	E4	6.82 €
5.6	Gas diffuser, multi-layer	-	1.6	-	35.5	-	5	394-002357-00000	E4	21.34 €
5.6	Gas diffuser, multi-layer	-	2.4	-	35.5	-	5	394-002038-00000	E4	21.34 €
5.6	Gas diffuser, multi-layer	-	3.2	-	35.5	-	5	394-002358-00000	E4	21.34 €
5.7	Gas diffuser	-	1.6	-	33	Brass	5	094-012669-00000	E4	18.69 €
5.7	Gas diffuser	-	2.4	-	33	Brass	5	094-011984-00000	E4	18.69 €
5.7	Gas diffuser	-	3.2	-	33	Brass	5	094-012671-00000	E4	18.69 €
6.1	Back cap, short	short	-	-	19.5	Plastic	5	094-011752-00000	E4	6.51 €
6.2	Back cap, medium	medium	-	-	59	Plastic	5	094-011753-00000	E4	8.86 €

TIG 150/260



- Replacement parts set for TIG welding torches, types TIG 150 and TIG 260
- Comprises the following:
- 3 torch caps (short, medium, long)
- 2 electrode holders (1 x D = 1.6 mm and 1x D = 2.4 mm)
- 1 gas diffuser (D = 2.4 mm/L = 33 mm)
- 3 gas nozzles (1 x D = 8.0 mm, 1 x D = 10 mm and 1 x D = 11.5 mm/L = 26 mm)
- 1 insulator
- 4 tungsten electrodes (2 x D = 1.6 mm and 2 x 2.4 mm/L = 175 mm)

Designation	Item no.	PG	Price Per unit
Replacement parts set	092-015252-00000	B2	109.00 €

TIG 200

„Consumables TIG 200“ on page 314

- Ergonomic GRIP handle for a secure hold and ergonomic use
- Excellent HF safety

Equipment as delivered:

- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 6
- Tungsten electrode E3 (purple): Ø 2.4 mm
- Back cap “long”

TIG 200 GRIP GD HFL



Duty cycle DC-	200 A / 35 %
Duty cycle AC	140 A / 35 %
Approvals	CE sign

- Gas-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Double push-button
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the “ADAP 8-5 POL” adapter can be alternatively used

Electrode Ø	1.6 mm - 3.2 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Shielding gas supply	G 1/4" RH, crown nut

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, gas-cooled	4.0	Tuchel, 5-pole	394-510981-10600	E4	242.00 €
	8.0		394-510981-10608	E4	299.00 €

TIG 200F GRIP GD HFL



- Gas cooled TIG welding torch with a flexible torch neck and a highly flexible hose package
- Double push-button
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the “ADAP 8-5 POL” adapter can be alternatively used

Electrode Ø	1.6 mm - 3.2 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Shielding gas supply	G 1/4" RH, crown nut



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, gas-cooled	4.0	Tuchel, 5-pole	394-512527-10600	E4	298.00 €
	8.0		394-512527-10608	E4	367.00 €

TIG 200F GRIP GD



- Double push-button
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the “ADAP 8-5 POL” adapter can be alternatively used
- Gas cooled TIG welding torch with a flexible torch neck

Electrode Ø	1.6 mm - 3.2 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Shielding gas supply	G 1/4" RH, crown nut



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, gas-cooled	4.0	Tuchel, 5-pole	394-512527-00600	E4	237.00 €
	8.0		394-512527-00608	E4	283.00 €

TIG 200 GRIP GD



- Gas-cooled TIG welding torch
- Double push-button
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the “ADAP 8-5 POL” adapter can be alternatively used

Electrode Ø	1.6 mm - 3.2 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Shielding gas supply	G 1/4" RH, crown nut



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, gas-cooled	4.0	Tuchel, 5-pole	394-510981-00600	E4	201.00 €
	8.0		394-510981-00608	E4	237.00 €

TIG 200 GRIP GD U/D HFL



- Gas-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Suitable for machines from the Tetrax-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side

Electrode Ø	1.6 mm - 3.2 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 8-pole
Shielding gas supply	G 1/4" RH, crown nut

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, up/down, gas-cooled	4.0	Burndy, 8-pole	394-510981-10200	E4	294.00 €
	8.0		394-510981-10208	E4	350.00 €



TIG 200

„Consumables TIG 200“ on page 314



- Gas cooled TIG welding torch with a flexible torch neck and a highly flexible hose package
- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Suitable for machines from the Tetrax-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side

Electrode Ø	1.6 mm - 3.2 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 8-pole
Shielding gas supply	G 1/4" RH, crown nut



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, up/down, gas-cooled	4.0		394-512527-10200	E4	339.00 €
	8.0	Burndy, 8-pole	394-512527-10208	E4	413.00 €

TIG 200F GRIP GD U/D



- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Suitable for machines from the Tetrax-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side
- Gas cooled TIG welding torch with a flexible torch neck

Electrode Ø	1.6 mm - 3.2 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 8-pole
Shielding gas supply	G 1/4" RH, crown nut



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, up/down, gas-cooled	4.0		394-512527-00200	E4	283.00 €
	8.0	Burndy, 8-pole	394-512527-00208	E4	329.00 €

TIG 200 GRIP GD U/D



- Gas-cooled TIG welding torch
- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Suitable for machines from the Tetrax-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side

Electrode Ø	1.6 mm - 3.2 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 8-pole
Shielding gas supply	G 1/4" RH, crown nut

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, up/down, gas-cooled	4.0		394-510981-00200	E4	275.00 €
	8.0	Burndy, 8-pole	394-510981-00208	E4	322.00 €



„Consumables TIG 200“ on page 314

TIG 200 GRIP GD RETOX HFL



- Gas-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Setting and display of welding current and programs
- Not possible with Picotig 200 DC and machines with Smart 2.0 control
- “ON 12-pole connection socket” option required on machine side

Electrode Ø	1.6 mm - 3.2 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 12-pole
Shielding gas supply	G 1/4" RH, crown nut



Designation			Item no.	PG	Price
	m				Per unit
TIG function torch, Retox, gas-cooled	4.0	Burndy, 12-pole	394-510981-10700	E4	375.00 €
	8.0		394-510981-10708	E4	454.00 €

TIG 200 GD 5P RETOX XQ HFL



- Gas-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Setting and display of welding current and programs
- Retox welding torch for Tetrax XQ puls

Electrode Ø	1.6 mm - 3.2 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Shielding gas supply	G 1/4" RH, crown nut


Designation			Item no.	PG	Price
	m				Per unit
TIG function torch, Retox, gas-cooled	4.0	Tuchel, 5-pole	394-510981-10800		on request
	8.0		394-510981-10808		on request

TIG 200 GRIP GD EZA

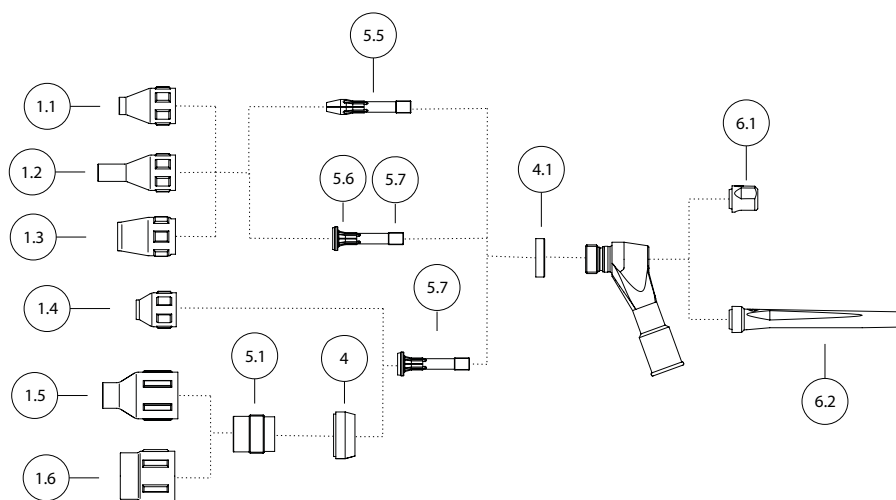


- Gas-cooled TIG welding torch
- Euro torch connector for the operation on gas-cooled MIG/MAG welding machines
- Single-push button

Electrode Ø	1.6 mm - 3.2 mm
Torch connection	Euro torch connector

Designation		Item no.	PG	Price
	m			Per unit
TIG welding torch, Euro torch connector	4.0	394-510981-04000	E4	230.00 €
	8.0	394-510981-04008	E4	276.00 €

Consumables TIG 200



► The illustrations shown above merely serve as examples. Depending on the version, the actual product may be different.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.1	Gas nozzle	5	-	7.5	37	Ceramic	10	094-009646-00000	E4	2.20 €
1.1	Gas nozzle	6	-	10	37	Ceramic	10	094-009647-00000	E4	2.20 €
1.1	Gas nozzle	8	-	13	37	Ceramic	10	094-009648-00000	E4	2.20 €
1.1	Gas nozzle	10	-	15	37	Ceramic	10	094-009649-00000	E4	2.20 €
1.2	Gas nozzle	5	-	7.5	52	Ceramic	10	094-009650-00000	E4	2.60 €
1.2	Gas nozzle	6	-	10	52	Ceramic	10	094-009651-00000	E4	2.60 €
1.2	Gas nozzle	8	-	13	52	Ceramic	10	094-009653-00000	E4	2.60 €
1.2	Gas nozzle	10	-	15	52	Ceramic	10	094-009654-00000	E4	2.60 €
1.3	Gas nozzle, reinforced	8	-	13	37	Ceramic	10	094-011997-00000	E4	2.33 €
1.3	Gas nozzle, reinforced	12	-	15	37	Ceramic	10	094-011998-00000	E4	2.33 €
1.4	Gas nozzle for gas diffuser	4	-	10	26	Ceramic	10	094-009655-00000	E4	2.41 €
1.4	Gas nozzle for gas diffuser	6	-	13	26	Ceramic	10	094-009656-00000	E4	2.41 €
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000	E4	2.89 €
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000	E4	2.89 €
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000	E4	2.89 €
1.6	Gas nozzle for gas diffuser, JUMBO	24	-	24	34	Ceramic	10	094-011999-00000	E4	2.89 €
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-009657-00000	E4	22.48 €
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011759-00000	E4	7.39 €
5.1	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000	E4	43.72 €
5.1	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000	E4	43.72 €
5.1	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000	E4	43.72 €
5.1	Gas diffuser, JUMBO	-	4	-	-	Brass	1	094-009661-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	1.6	-	-	-	1	094-023020-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	2.4	-	-	-	1	094-022685-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	3.2	-	-	-	1	094-023021-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	4	-	-	-	1	094-023022-00000	E4	43.72 €
5.5	Electrode holders	-	1.6	-	56	Brass	5	094-009634-00000	E4	7.81 €
5.5	Electrode holders	-	2.4	-	56	Brass	5	094-009636-00000	E4	7.81 €
5.5	Electrode holders	-	3.2	-	56	Brass	5	094-009637-00000	E4	7.81 €
5.5	Electrode holders	-	4	-	56	Brass	5	094-009638-00000	E4	7.81 €
5.6	Gas diffuser, multi-layer	-	1.6	-	51	Brass	5	094-023018-00000	E4	18.01 €
5.6	Gas diffuser, multi-layer	-	2.4	-	51	Brass	5	094-004969-00000	E4	18.01 €
5.6	Gas diffuser, multi-layer	-	3.2	-	51	Brass	5	094-006255-00000	E4	18.01 €
5.7	Gas diffuser	-	1.6	-	48	Brass	2	094-009640-00000	E4	19.62 €
5.7	Gas diffuser	-	2.4	-	48	Brass	2	094-009642-00000	E4	19.62 €
5.7	Gas diffuser	-	3.2	-	48	Brass	2	094-009643-00000	E4	19.62 €
5.7	Gas diffuser	-	4	-	48	Brass	2	094-009644-00000	E4	19.62 €
6.1	Back cap, short	short	-	-	19	Plastic	5	094-010723-00000	E4	6.02 €
6.2	Back cap, long	long	-	-	120	Plastic	5	094-010601-00000	E4	10.63 €

TIG 200/450



- Replacement parts set for TIG welding torches, types TIG 200 and TIG 450
 - Comprises the following:
 - 2 torch caps (short, long)
 - 3 electrode holders (1 x D = 1.6 mm, 1 x D = 2.4 mm and 1x D = 3.2 mm)
 - 1 gas diffuser (D = 2.4 mm/L = 33 mm)
 - 3 gas nozzles (1 x D = 10 mm, 1 x D = 13 mm and 1 x D = 15 mm/L = 37 mm)
 - 1 insulator
- 6 tungsten electrodes (3 x D = 1.6 mm, 2 x D = 2.4 mm and 2 x D = 3.2 mm/L = 175 mm)

Designation	Item no.	PG	Price Per unit
Replacement parts set	092-015251-00000	B2	135.00 €

TIG-SR 20

„Consumables TIG-SR 20“ on page 318

- Double push-button
- Compatible with SR replacement parts
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Excellent HF safety

Equipment as delivered:



- Collet body: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode E3 (purple): Ø 2.4 mm

TIG-SR 20 GRIP Little WD HFL



- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Especially compact GRIP grip, perfectly suitable for welding tasks that are difficult to access
- Back cap “medium”

Control cable connection Tuchel, 5-pole



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, water-cooled	4.0	Tuchel, 5-pole	394-511446-10600	E4	261.00 €
	8.0		394-511446-10608	E4	310.00 €

TIG-SR 20 GRIP WD



- Back cap “long”

Control cable connection Tuchel, 5-pole

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, water-cooled	4.0	Tuchel, 5-pole	394-511445-00600	E4	197.00 €
	8.0		394-511445-00608	E4	230.00 €



„Consumables TIG-SR 20“ on page 318

TIG-SR 20 GRIP Little WD U/D HFL

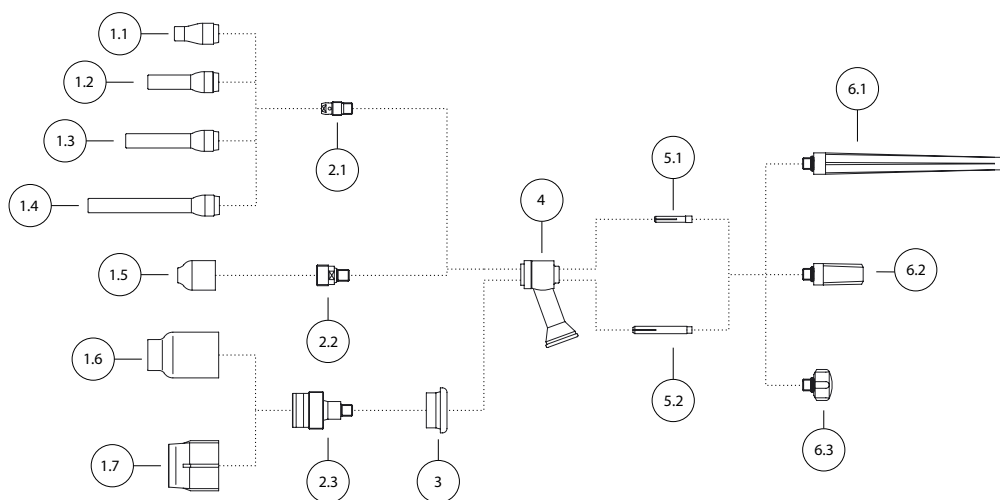


- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Especially compact GRIP grip, perfectly suitable for welding tasks that are difficult to access
- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Suitable for machines from the Tetrix-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side
- Back cap “medium”

Control cable connection Burndy, 8-pole

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, water-cooled	4.0	Burndy, 8-pole	394-511446-10200	E4	307.00 €
	8.0		394-511446-10208	E4	357.00 €

Consumables TIG-SR 20



► The illustrations shown above merely serve as examples. Depending on the version, the actual product may be different.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.1	Gas nozzle	4	-	6.5	30	Ceramic	10	094-001343-00000	E4	1.03 €
1.1	Gas nozzle	5	-	8	30	Ceramic	10	094-001344-00000	E4	1.03 €
1.1	Gas nozzle	6	-	9.5	30	Ceramic	10	094-001345-00000	E4	1.03 €
1.1	Gas nozzle	7	-	11	30	Ceramic	10	094-000930-00000	E4	1.03 €
1.1	Gas nozzle	8	-	12.5	30	Ceramic	10	094-001122-00000	E4	1.03 €
1.1	Gas nozzle	10	-	16	30	Ceramic	10	094-001346-00000	E4	1.03 €
1.2	Gas nozzle	4	-	6.5	48	Ceramic	10	094-001347-00000	E4	2.03 €
1.2	Gas nozzle	5	-	8	48	Ceramic	10	094-001348-00000	E4	2.03 €
1.2	Gas nozzle	6	-	9.5	48	Ceramic	10	094-001349-00000	E4	2.03 €
1.3	Gas nozzle	4	-	6.5	63	Ceramic	10	094-012683-00000	E4	2.03 €
1.3	Gas nozzle	5	-	8	63	Ceramic	10	094-012684-00000	E4	2.03 €
1.4	Gas nozzle	4	-	6.5	89	Ceramic	10	094-012685-00000	E4	2.52 €
1.5	Gas nozzle for gas lens	4	-	6.5	25.5	Ceramic	10	094-001356-00000	E4	1.11 €
1.5	Gas nozzle for gas lens	5	-	8	25.5	Ceramic	10	094-001357-00000	E4	1.11 €
1.5	Gas nozzle for gas lens	6	-	9.5	25.5	Ceramic	10	094-001358-00000	E4	1.11 €
1.5	Gas nozzle for gas lens	7	-	11	25.5	Ceramic	10	094-001359-00000	E4	1.11 €
1.5	Gas nozzle for gas lens	8	-	12.5	25.5	Ceramic	10	094-017595-00000	E4	1.11 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	6	-	9.5	48	Ceramic	10	094-011642-00000	E4	2.96 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	8	-	12.5	48	Ceramic	10	094-011643-00000	E4	2.96 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	10	-	16	48	Ceramic	10	094-011644-00000	E4	2.96 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	12	-	19.5	48	Ceramic	10	094-003136-00000	E4	2.96 €
1.7	Ceramic gas nozzle for gas lens, JUMBO	12	-	24	34	Ceramic	10	094-012686-00000	E4	2.96 €
12.01	Collet, brass	-	3.2	-	25.4	Brass	10	394-001337-00000	HW11	0.80 €
2.1	Clamping sleeve housings	-	1.6	-	-	Copper	10	094-001340-00000	E4	2.78 €
2.1	Clamping sleeve housings	-	2.4	-	-	Copper	10	094-000939-00000	E4	2.78 €
2.1	Clamping sleeve housings	-	3.2	-	-	Copper	10	094-001342-00000	E4	2.78 €
2.2	Collet body with gas lens	-	1.6	-	-	Brass	10	094-001352-00000	E4	8.23 €
2.2	Collet body with gas lens	-	2.4	-	-	Brass	10	094-001354-00000	E4	8.23 €
2.2	Collet body with gas lens	-	3.2	-	-	Brass	10	094-001355-00000	E4	8.23 €
2.3	Collet body with gas lens, JUMBO	-	1.6	-	-	Brass	5	094-012680-00000	E6	18.05 €
2.3	Collet body with gas lens, JUMBO	-	2.4	-	-	Brass	10	094-012681-00000	E6	18.05 €
2.3	Collet body with gas lens, JUMBO	-	3.2	-	-	Brass	5	094-012682-00000	E6	18.05 €
3	Adapters	XL	-	-	-	Teflon	5	094-011916-00000	E6	6.46 €

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Length	Material	PU	Item no.	PG	Price
			mm	mm	mm		Units			Per unit
4	Insulator	Standard	-	-	-	Teflon	10	094-001331-00000	E6	0.85 €
5.1	Collet	-	1.6	-	25.4	Copper	10	094-001121-00000	E4	1.38 €
5.1	Collet	-	2.4	-	25.4	Copper	10	094-000934-00000	E4	1.38 €
5.1	Long-life collet	-	1	-	25.5	-	5	094-022702-00000	HW8	1.63 €
5.1	Long-life collet	-	1.6	-	25.5	-	5	094-022703-00000	HW8	1.63 €
5.1	Long-life collet	-	2.4	-	25.5	-	5	094-022705-00000	HW8	1.99 €
5.1	Long-life collet	-	3.2	-	25.5	-	5	094-022706-00000	HW8	2.26 €
5.2	Collet, JUMBO	-	1.6	-	40	Brass	10	094-012677-00000	E5	4.50 €
5.2	Collet, JUMBO	-	2.4	-	40	Brass	10	094-002971-00000	E5	4.50 €
5.2	Collet, JUMBO	-	3.2	-	40	Brass	10	094-012678-00000	E5	4.50 €
6.1	Back cap, long	long	-	-	146	Plastic	10	094-001327-00000	E6	3.40 €
6.2	Back cap, medium	medium	-	-	48	Plastic	10	094-001329-00000	E6	1.97 €
6.3	Back cap, short	short	-	-	16	Plastic	10	094-001328-00000	E6	1.83 €

SR 9/20



- Replacement parts set for TIG welding torches, types SR 9/20
- Comprises the following:
 - 3 torch caps (short, medium, long)
 - 4 collets (2 x D = 1.6 mm and 2 x D = 2.4 mm)
 - 2 collets (1 x D = 1.6 mm and 1 x D = 2.4 mm)
 - 1 gas diffuser (D = 2.4 mm/L = 33 mm)
 - 3 gas nozzles (1 x D = 8.0 mm, 1 x D = 9.5 mm and 1 x D = 11 mm)
 - 1 insulator
 - 4 tungsten electrodes (2 x D = 1.6 mm and 2 x 2.4 mm/L = 175 mm)

Designation	Item no.	PG	Price
			Per unit
Replacement parts set	092-015253-00000	B2	73.00 €

TIG-SR 18

- Double push-button
- Compatible with SR replacement parts
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Excellent HF safety



Equipment as delivered:

- Collet body: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode E3 (purple): Ø 2.4 mm
- Back cap "long"

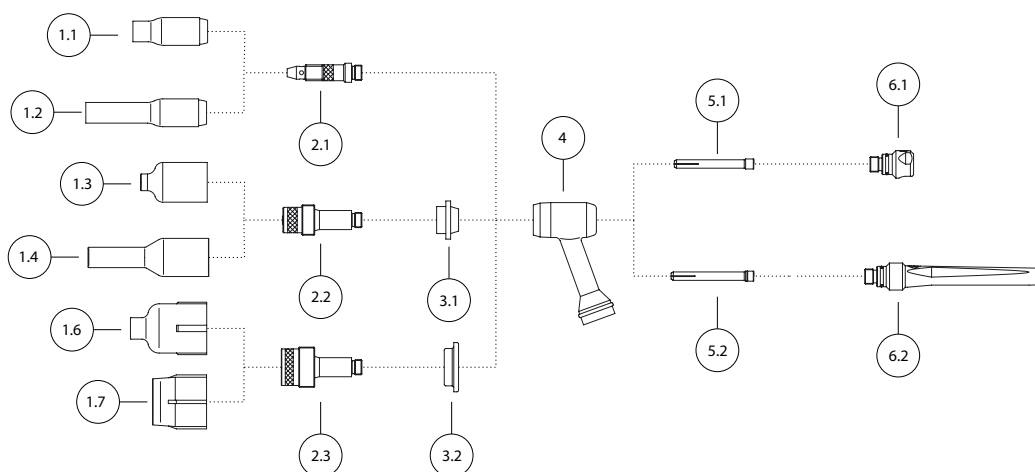
TIG-SR 18 GRIP WD



Duty cycle DC-	320 A / 100 %
Duty cycle AC	230 A / 100 %
Electrode Ø	0.5 mm - 4 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Approvals	CE sign

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, water-cooled	4.0	Tuchel, 5-pole	394-511490-00600	E4	204.00 €
	8.0		394-511490-00608	E4	236.00 €

Consumables TIG-SR 18



► The illustrations shown above merely serve as examples. Depending on the version, the actual product may be different.

Item	Designation	Size	Electrode Ø mm	Nozzle Ø mm	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.1	Gas nozzle	4	-	6.5	47	Ceramic	10	094-001316-00000	E4	1.03 €
1.1	Gas nozzle	5	-	8	47	Ceramic	10	094-000926-00000	E4	1.03 €
1.1	Gas nozzle	6	-	9.5	47	Ceramic	10	094-001317-00000	E4	1.03 €
1.1	Gas nozzle	7	-	11	47	Ceramic	10	094-000927-00000	E4	1.03 €
1.1	Gas nozzle	8	-	12.5	47	Ceramic	10	094-000929-00000	E4	1.03 €
1.1	Gas nozzle	10	-	16	47	Ceramic	10	094-001318-00000	E4	1.03 €
1.1	Gas nozzle	12	-	19.5	50	Ceramic	10	094-001319-00000	E6	1.21 €
1.2	Gas nozzle	5	-	8	76	Ceramic	10	094-012691-00000	E4	2.11 €
1.2	Gas nozzle	6	-	9.5	76	Ceramic	10	094-012692-00000	E4	2.11 €

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.2	Gas nozzle	7	-	11	76	Ceramic	10	094-012693-00000	E4	2.11 €
1.3	Gas nozzle for gas lens	4	-	6.5	42	Ceramic	10	094-001320-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	5	-	8	42	Ceramic	10	094-001321-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	6	-	9.5	42	Ceramic	10	094-001322-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	7	-	11	42	Ceramic	10	094-001195-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	8	-	12.5	42	Ceramic	10	094-001196-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	12	-	19.5	42	Ceramic	10	094-001323-00000	E4	1.72 €
1.4	Gas nozzle for gas lens	5	-	8	76	Ceramic	10	094-011135-00000	E4	2.83 €
1.4	Gas nozzle for gas lens	6	-	9.5	76	Ceramic	10	094-011136-00000	E4	2.83 €
1.4	Gas nozzle for gas lens	7	-	11	76	Ceramic	10	094-012694-00000	E4	2.83 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	6	-	9.5	48	Ceramic	10	094-011642-00000	E4	2.96 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	8	-	12.5	48	Ceramic	10	094-011643-00000	E4	2.96 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	10	-	16	48	Ceramic	10	094-011644-00000	E4	2.96 €
1.6	Ceramic gas nozzle for gas lens, JUMBO	12	-	19.5	48	Ceramic	10	094-003136-00000	E4	2.96 €
1.7	Ceramic gas nozzle for gas lens, JUMBO	12	-	24	34	Ceramic	10	094-012686-00000	E4	2.96 €
2.1	Clamping sleeve housings	-	1.6	-	-	Copper	10	094-000936-00000	E4	2.78 €
2.1	Clamping sleeve housings	-	2 - 2.4	-	-	Copper	10	094-000937-00000	E4	2.78 €
2.1	Clamping sleeve housings	-	3.2	-	-	Copper	10	094-000940-00000	E4	2.78 €
2.1	Clamping sleeve housings	-	4	-	-	Copper	10	094-001315-00000	E4	2.78 €
2.2	Collet body with gas lens	-	1.6	-	-	Brass	10	094-001325-00000	E4	7.80 €
2.2	Collet body with gas lens	-	2 - 2.4	-	-	Brass	10	094-001192-00000	E4	7.80 €
2.2	Collet body with gas lens	-	3.2	-	-	Brass	10	094-001193-00000	E4	7.80 €
2.2	Collet body with gas lens	-	4	-	-	Brass	10	094-001326-00000	E4	7.80 €
2.3	Collet body with gas lens, JUMBO	-	1.6	-	-	Brass	5	094-003137-00010	E4	16.22 €
2.3	Collet body with gas lens, JUMBO	-	2.4	-	-	Brass	5	094-003137-00000	E4	16.22 €
2.3	Collet body with gas lens, JUMBO	-	3.2	-	-	Brass	5	094-000000-00000	E4	16.22 €
2.3	Collet body with gas lens, JUMBO	-	4	-	-	Brass	5	094-011641-00000	E4	16.22 €
3.1	Adapters	XL	-	-	-	Teflon	10	094-001194-00000	E6	1.38 €
3.2	Adapter, JUMBO	XXL	-	-	-	Teflon	5	094-003138-00000	E6	4.43 €
4	Insulator	Standard	-	-	-	Teflon	10	094-001307-00000	E6	0.94 €
5.1	Collet	-	1.6	-	50	Copper	10	094-000931-00000	E4	1.38 €
5.1	Collet	-	2.4	-	50	Copper	10	094-000932-00000	E4	1.38 €
5.1	Collet	-	3.2	-	50	Copper	10	094-000935-00000	E4	1.38 €
5.1	Collet	-	4	-	50	Copper	10	094-001312-00000	E4	1.38 €
5.1	Long-life collet	-	1	-	50	-	5	094-022725-00000	HW8	2.52 €
5.1	Long-life collet	-	1.6	-	50	-	5	094-022726-00000	HW8	2.52 €
5.1	Long-life collet	-	2.4	-	50	-	5	094-021663-00000	HW8	2.52 €
5.1	Long-life collet	-	3.2	-	50	-	5	094-022727-00000	HW8	2.52 €
5.1	Long-life collet	-	4	-	50	-	5	094-022728-00000	HW8	2.52 €
5.2	Collet	-	1.6	-	52	-	10	094-003402-00000	E4	1.38 €
5.2	Collet	-	2.4	-	52	-	10	094-003241-00000	E4	1.38 €
5.2	Collet	-	3.2	-	52	-	10	094-003242-00000	E4	1.38 €
5.2	Collet	-	4	-	52	-	10	094-008583-00000	E4	1.38 €
6.1	Back cap, short	short	-	-	31	Plastic	10	094-001120-00000	E6	3.79 €
6.2	Back cap, long	long	-	-	114	Plastic	10	094-001114-00000	E6	4.73 €

SR 17/18/26/300HD



- Replacement parts set for TIG welding torches, types SR 17/18/26 and TIG-SR 300 HD
- Comprises the following:
 - 2 torch caps (short, long)
 - 6 collets (2 x D = 1.6 mm, 2 x D = 2.4 mm and 2 x D = 3.2 mm)
 - 3 collet casings (1 x D = 1.6 mm, 1 x D = 2.4 mm and 1 x D = 3.2 mm)
 - 3 gas nozzles (1 x D = 8.0 mm, 1 x D = 11 mm and 1 x D = 12.5 mm/L = 47 mm)
 - 2 insulators
 - 6 tungsten electrodes (2 x D = 1.6 mm, 2 x D = 2.4 mm and 2 x D = 3.2 mm/L = 175 mm)

Designation	Item no.	PG	Price Per unit
Replacement parts set	092-015254-00000	B2	105.00 €

TIG welding torches - Water cooled – TIG series

TIG-SR 18SC



- SuperCool / high-performance torch version
- Compatible with SR replacement parts
- Double push-button
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Excellent HF safety

Equipment as delivered:

- Collet body: Ø 3.2 mm
- Gas nozzle: Ø 12.5 mm, size 8
- Tungsten electrode E3 (purple): Ø 3.2 mm

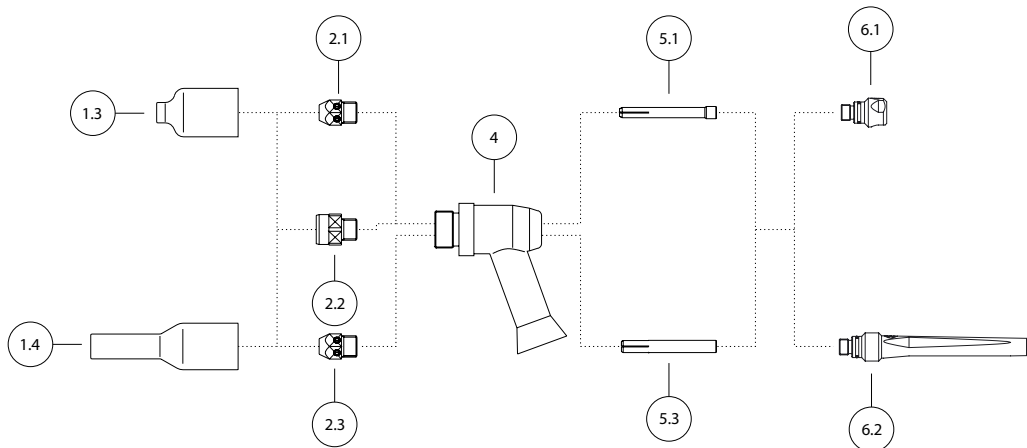
Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Approvals	CE sign

TIG-SR 18SC GRIP WD

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, water-cooled	4.0	Tuchel, 5-pole	394-511624-00600	E4	230.00 €
	8.0		394-511624-00608	E4	264.00 €



Consumables TIG-SR 18SC



► The illustrations shown above merely serve as examples. Depending on the version, the actual product may be different.

Item	Designation	Size	Electrode Ø	Nozzle Ø	Length	Material	PU	Item no.	PG	Price
			mm	mm	mm		Units			Per unit
1.3	Gas nozzle for gas lens	4	-	6.5	42	Ceramic	10	094-001320-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	5	-	8	42	Ceramic	10	094-001321-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	6	-	9.5	42	Ceramic	10	094-001322-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	7	-	11	42	Ceramic	10	094-001195-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	8	-	12.5	42	Ceramic	10	094-001196-00000	E4	1.72 €
1.4	Gas nozzle for gas lens	5	-	8	76	Ceramic	10	094-011135-00000	E4	2.83 €
1.4	Gas nozzle for gas lens	6	-	9.5	76	Ceramic	10	094-011136-00000	E4	2.83 €

Item	Designation	Size	Electro-	Nozzle Ø	Length	Material	PU	Item no.	PG	Price
			de Ø				Units			Per unit
			mm	mm	mm					
1.4	Gas nozzle for gas lens	7	-	11	76	Ceramic	10	094-012694-00000	E4	2.83 €
2.1	Clamping sleeve housings	-	0.5 - 3.2	-	-	Brass	10	094-011137-00000	E4	9.20 €
2.2	Collet body with gas lens	-	1.6	-	-	Copper	10	094-012698-00000	E4	20.92 €
2.2	Collet body with gas lens	-	2.4	-	-	Copper	10	094-012699-00000	E4	20.92 €
2.2	Collet body with gas lens	-	3.2	-	-	Copper	10	094-001362-00000	E4	20.92 €
2.3	Clamping sleeve housings	-	3.2 - 4.8	-	-	Brass	10	094-001117-00000	E4	9.20 €
4	Insulator	-	-	-	-	Teflon	5	094-001360-00000	E6	5.93 €
5.1	Collet	-	1.6	-	50	Copper	10	094-000931-00000	E4	1.38 €
5.1	Collet	-	2.4	-	50	Copper	10	094-000932-00000	E4	1.38 €
5.1	Collet	-	3.2	-	50	Copper	10	094-000935-00000	E4	1.38 €
5.1	Long-life collet	-	1	-	50	-	5	094-022725-00000	HW8	2.52 €
5.1	Long-life collet	-	1.6	-	50	-	5	094-022726-00000	HW8	2.52 €
5.1	Long-life collet	-	2.4	-	50	-	5	094-021663-00000	HW8	2.52 €
5.1	Long-life collet	-	3.2	-	50	-	5	094-022727-00000	HW8	2.52 €
5.3	Collet, high-performance	-	3.2	-	49	Copper	10	094-001361-00000	E4	7.26 €
5.3	Collet, high-performance	-	4	-	49	Copper	10	094-001116-00000	E4	7.26 €
5.3	Collet, high-performance	-	4.8	-	49	Copper	10	094-001115-00000	E4	7.26 €
6.1	Back cap, short	short	-	-	31	Plastic	10	094-001120-00000	E6	3.79 €
6.2	Back cap, long	long	-	-	114	Plastic	10	094-001114-00000	E6	4.73 €

SR 18SC



- Replacement parts set for TIG welding torches, type SR 18SC
- Comprises the following:
 - 2 torch caps (short, long)
 - 6 collets (2 x D = 3.2 mm, 2 x D = 4.0 mm and 2 x D = 4.8 mm)
 - 2 collet casings (1 x D = 3.2–4.8 mm and 1 x D = 3.2 mm)
 - 2 gas nozzles (1 x D = 11 mm and 1 x D = 12 mm / L = 26 mm)
 - 1 insulator
 - 6 tungsten electrodes (2 x D = 3.2 mm, 2 x D = 4.0 mm and 2 x D = 4.8 mm/L = 175 mm)

Designation	Item no.	PG	Price Per unit
Replacement parts set	092-015255-00000	B2	182.00 €

TIG 260

„Consumables TIG 260“ on page 326

- Excellent HF safety

Equipment as delivered:

- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm
- Back cap “medium”



Duty cycle DC-	260 A / 100 %
Duty cycle AC	185 A / 100 %
Electrode Ø	1 mm - 3.2 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Shielding gas supply	G 1/4" RH, crown nut
Approvals	CE sign

TIG 260 GRIP Little WD HFL



- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Especially compact GRIP grip, perfectly suitable for welding tasks that are difficult to access
- Double push-button
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the “ADAP 8-5 POL” adapter can be alternatively used

Control cable connection	Tuchel, 5-pole
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Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, water-cooled	4.0	Tuchel, 5-pole	394-510991-10600	E4	354.00 €
	8.0		394-510991-10608	E4	430.00 €

TIG 260 GRIP WD HFL



- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Double push-button
- Ergonomic GRIP handle for a secure hold and ergonomic use
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the “ADAP 8-5 POL” adapter can be alternatively used

Control cable connection	Tuchel, 5-pole
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Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, water-cooled	4.0	Tuchel, 5-pole	394-510990-10600	E4	335.00 €
	8.0		394-510990-10608	E4	409.00 €

TIG 260 GRIP WD



- Double push-button
- Ergonomic GRIP handle for a secure hold and ergonomic use
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the “ADAP 8-5 POL” adapter can be alternatively used



Control cable connection	Tuchel, 5-pole
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Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, water-cooled	4.0	Tuchel, 5-pole	394-510990-00600	E4	271.00 €
	8.0		394-510990-00608	E4	311.00 €

TIG 260 GRIP Little WD U/D HFL





- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Especially compact GRIP grip, perfectly suitable for welding tasks that are difficult to access
- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Suitable for machines from the Tetrax-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side

Control cable connection		Burndy, 8-pole			
Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, Up/Down, water-cooled	4.0		394-510991-10200	E4	401.00 €
	8.0	Burndy, 8-pole	394-510991-10208	E4	477.00 €

TIG 260 GRIP WD U/D HFL





- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Suitable for machines from the Tetrax-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side

Control cable connection		Burndy, 8-pole			
Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, Up/Down, water-cooled	4.0		394-510990-10200	E4	381.00 €
	8.0	Burndy, 8-pole	394-510990-10208	E4	456.00 €

TIG 260 GRIP WD U/D



- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Suitable for machines from the Tetrax-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side

Control cable connection		Burndy, 8-pole			
Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, Up/Down, water-cooled	4.0		394-510990-00200	E4	334.00 €
	8.0	Burndy, 8-pole	394-510990-00208	E4	375.00 €



TIG 260

„Consumables TIG 260“ on page 326

TIG 260 GRIP WD RETOX HFL





- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Setting and display of welding current and programs
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Not possible with Picotig 200 DC and machines with Smart 2.0 control
- “ON 12-pole connection socket” option required on machine side

Control cable connection		Burndy, 12-pole			
Designation	 m		Item no.	PG	Price
					Per unit
TIG function torch, Retox, water-cooled	4.0		394-510990-10700	E4	478.00 €
	8.0	Burndy, 12-pole	394-510990-10708	E4	571.00 €

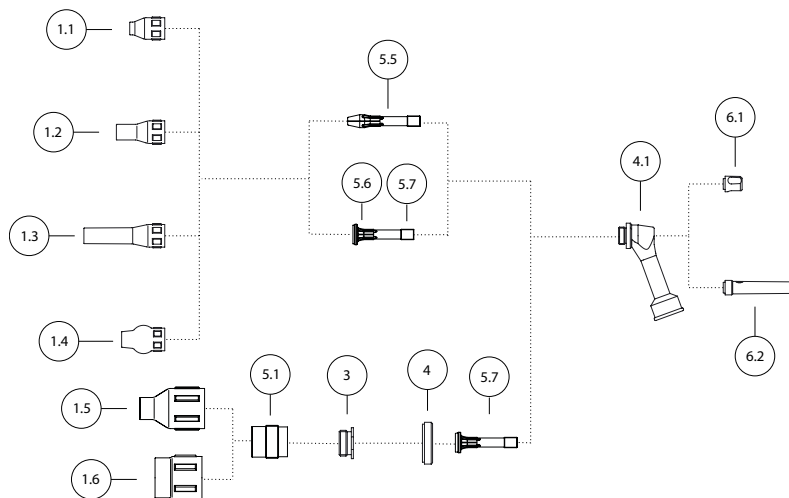
TIG 260 WD 5P RETOX XQ HFL



- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Setting and display of welding current and programs
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Retox welding torch for Tetrix XQ puls

Control cable connection		Tuchel, 5-pole			
Designation	 m		Item no.	PG	Price
					Per unit
TIG function torch, Retox, water-cooled	4.0		394-510990-10800		on request
	8.0	Tuchel, 5-pole	394-510990-10808		on request

Consumables TIG 260



► The illustrations shown above merely serve as examples. Depending on the version, the actual product may be different.

Item	Designation	Size	Electrode Ø mm	Nozzle Ø mm	Length mm	Material	PU Units	Item no.	PG	Price
										Per unit
1.1	Gas nozzle	4	-	6.5	26	Ceramic	10	094-012672-00000	E4	2.03 €
1.1	Gas nozzle	6	-	8	26	Ceramic	10	094-012405-00000	E4	2.03 €
1.1	Gas nozzle	8	-	9.5	26	Ceramic	10	094-011756-00000	E4	2.03 €
1.1	Gas nozzle	10	-	11.5	26	Ceramic	10	094-011980-00000	E4	2.03 €

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.2	Gas nozzle	6	-	6.5	36	Ceramic	10	094-012673-00000	E4	2.40 €
1.2	Gas nozzle	7	-	8	36	Ceramic	10	094-012674-00000	E4	2.40 €
1.2	Gas nozzle	8	-	10	36	Ceramic	10	094-011982-00000	E4	2.40 €
1.2	Gas nozzle	10	-	11.5	36	Ceramic	10	094-011757-00000	E4	2.40 €
1.3	Gas nozzle	-	-	6.5	60	Ceramic	10	094-015451-00000	E4	5.92 €
1.3	Gas nozzle	-	-	8	60	Ceramic	10	398-000191-00000	E4	5.92 €
1.4	Gas nozzle, ball-shape design	-	-	6.5	32	Ceramic	10	094-019610-00000	E4	2.03 €
1.4	Gas nozzle, ball-shape design	-	-	8	32	Ceramic	10	394-000156-00000	E4	2.03 €
1.4	Gas nozzle, ball-shape design	-	-	9.5	32	Ceramic	10	394-000155-00000	E4	2.03 €
1.4	Gas nozzle, ball-shape design	-	-	11	32	Ceramic	10	094-019609-00000	E4	2.03 €
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000	E4	2.89 €
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000	E4	2.89 €
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000	E4	2.89 €
1.6	Gas nozzle for gas diffuser, JUMBO	24	-	24	34	Ceramic	10	094-011999-00000	E4	2.89 €
3	Adapter ring, JUMBO	XL	-	-	-	Brass	10	094-011758-00000	E4	7.28 €
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-011760-00000	E4	21.31 €
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011979-00000	E4	2.28 €
5.1	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000	E4	43.72 €
5.1	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000	E4	43.72 €
5.1	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	1.6	-	-	-	1	094-023020-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	2.4	-	-	-	1	094-022685-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	3.2	-	-	-	1	094-023021-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	4	-	-	-	1	094-023022-00000	E4	43.72 €
5.5	Electrode holders	-	1.6	-	35	Brass	5	094-012406-00000	E4	6.82 €
5.5	Electrode holders	-	2.4	-	35	Brass	5	094-011755-00000	E4	6.82 €
5.5	Electrode holders	-	3.2	-	35	Brass	5	094-012667-00000	E4	6.82 €
5.6	Gas diffuser, multi-layer	-	1.6	-	35.5	-	5	394-002357-00000	E4	21.34 €
5.6	Gas diffuser, multi-layer	-	2.4	-	35.5	-	5	394-002038-00000	E4	21.34 €
5.6	Gas diffuser, multi-layer	-	3.2	-	35.5	-	5	394-002358-00000	E4	21.34 €
5.7	Gas diffuser	-	1.6	-	33	Brass	5	094-012669-00000	E4	18.69 €
5.7	Gas diffuser	-	2.4	-	33	Brass	5	094-011984-00000	E4	18.69 €
5.7	Gas diffuser	-	3.2	-	33	Brass	5	094-012671-00000	E4	18.69 €
6.1	Back cap, short	short	-	-	19.5	Plastic	5	094-011752-00000	E4	6.51 €
6.2	Back cap, medium	medium	-	-	59	Plastic	5	094-011753-00000	E4	8.86 €

TIG 150/260



- Replacement parts set for TIG welding torches, types TIG 150 and TIG 260
- Comprises the following:
 - 3 torch caps (short, medium, long)
 - 2 electrode holders (1 x D = 1.6 mm and 1 x D = 2.4 mm)
 - 1 gas diffuser (D = 2.4 mm/L = 33 mm)
 - 3 gas nozzles (1 x D = 8.0 mm, 1 x D = 10 mm and 1 x D = 11.5 mm/L = 26 mm)
 - 1 insulator
 - 4 tungsten electrodes (2 x D = 1.6 mm and 2 x 2.4 mm/L = 175 mm)

Designation	Item no.	PG	Price Per unit
Replacement parts set	092-015252-00000	B2	109.00 €

TIG 450/450 SC

„Consumables TIG 450/450 SC“ on page 332

- Ergonomic GRIP handle for a secure hold and ergonomic use
- Excellent HF safety

Equipment as delivered:



- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 6
- Tungsten electrode E3 (purple): Ø 2.4 mm
- Back cap “long”

TIG 450 GRIP WD HFL



- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Double push-button
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the “ADAP 8-5 POL” adapter can be alternatively used

Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Shielding gas supply	G 1/4" RH, crown nut
Approvals	CE sign



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, water-cooled	4.0	Tuchel, 5-pole	394-510993-10600	E4	368.00 €
	8.0		394-510993-10608	E4	449.00 €

TIG 450 GRIP WD



- Double push-button
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the “ADAP 8-5 POL” adapter can be alternatively used

Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Shielding gas supply	G 1/4" RH, crown nut
Approvals	CE sign

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, water-cooled	4.0	Tuchel, 5-pole	394-510993-00600	E4	299.00 €
	8.0		394-510993-00608	E4	344.00 €



„Consumables TIG 450/450 SC“ on page 332

TIG 450 GRIP WD U/D HFL



- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Suitable for machines from the Tetrax-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side

Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 8-pole
Shielding gas supply	G 1/4" RH, crown nut
Approvals	CE sign



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, Up/Down, water-cooled	4.0	Burndy, 8-pole	394-510993-10200	E4	416.00 €
	8.0		394-510993-10208	E4	500.00 €

TIG 450 GRIP WD U/D



- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Suitable for machines from the Tetrax-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side

Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %
Electrode Ø	1.6 A - 4.8 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 8-pole
Shielding gas supply	G 1/4" RH, crown nut
Approvals	CE sign



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, Up/Down, water-cooled	4.0	Burndy, 8-pole	394-510993-00200	E4	356.00 €
	8.0		394-510993-00208	E4	398.00 €

TIG 450 GRIP WD RETOX HFL



- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- Setting and display of welding current and programs
- Not possible with Picotig 200 DC and machines with Smart 2.0 control
- "ON 12-pole connection socket" option required on machine side

Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 12-pole
Shielding gas supply	G 1/4" RH, crown nut
Approvals	CE sign

Designation			Item no.	PG	Price
	m				Per unit
TIG function torch, Retox, water-cooled	4.0	Burndy, 12-pole	394-510993-10700	E4	480.00 €
	8.0		394-510993-10708	E4	568.00 €

TIG 450/450 SC


„Consumables TIG 450/450 SC“ on page 332

TIG 450 GRIP WD EZA



- Single-push button
- Euro torch connector for the operation on water-cooled MIG/MAG welding machines

Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %
Electrode Ø	1.6 mm - 4.8 mm
Torch connection	Euro torch connector
Approvals	CE sign



Designation		Item no.	PG	Price
	m			Per unit
TIG welding torch, Euro	4.0	394-510993-04000	E4	374.00 €
torch connector	8.0	394-510993-04008	E4	420.00 €

TIG 450SC GRIP WD HFL



- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- SuperCool / high-performance torch version
- Double push-button
- 5-pole connection socket required on machine side
- In case an 8-pole welding machine is being used, the "ADAP 8-5 POL" adapter can be alternatively used

Duty cycle DC-	450 A / 100 %
Duty cycle AC	320 A / 100 %
Electrode Ø	1.6 mm - 4.8 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Tuchel, 5-pole
Shielding gas supply	G 1/4" RH, crown nut
Approvals	CE sign



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, water-cooled	4.0	Tuchel, 5-pole	394-511016-10600	E4	392.00 €
	8.0		394-511016-10608	E4	485.00 €

TIG 450SC GRIP WD U/D HFL



- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- SuperCool / high-performance torch version
- Setting of welding current, in case of Synergic control, JOB switching is also possible
- Suitable for machines from the Tetrax-DC and AC/DC series as well as Picotig 200 AC/DC
- 8-pole connection socket required on machine side

Duty cycle DC-	450 A / 100 %
Duty cycle AC	320 A / 100 %
Electrode Ø	1.6 mm - 4.8 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 8-pole
Shielding gas supply	G 1/4" RH, crown nut
Approvals	CE sign

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, Up/Down, water-cooled	4.0	Burndy, 8-pole	394-511016-10200	E4	448.00 €
	8.0		394-511016-10208	E4	540.00 €



„Consumables TIG 450/450 SC“ on page 332

TIG 450SC GRIP WD RETOX HFL

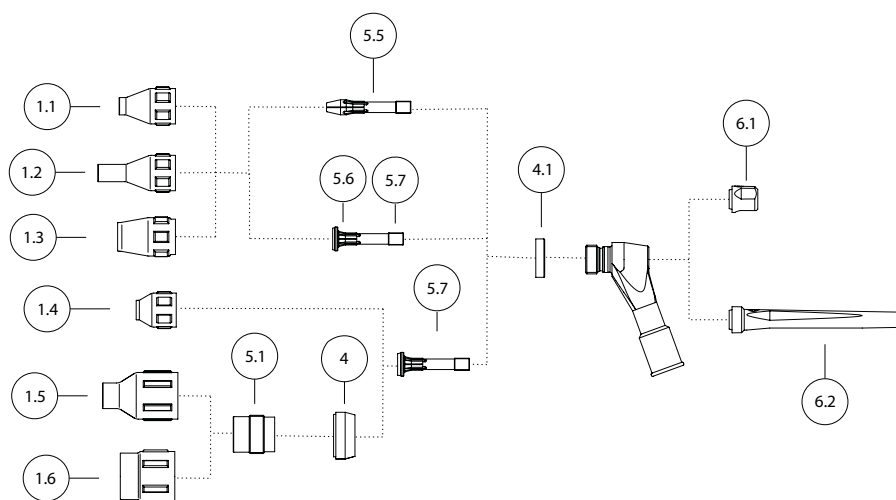


- Water-cooled TIG welding torch with a highly flexible hose package (high-flex leather)
- SuperCool / high-performance torch version
- Setting and display of welding current and programs
- Not possible with Picotig 200 DC and machines with Smart 2.0 control
- "ON 12-pole connection socket" option required on machine side

Duty cycle DC-	450 A / 100 %
Duty cycle AC	320 A / 100 %
Electrode Ø	1.6 mm - 4.8 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 12-pole
Shielding gas supply	G 1/4" RH, crown nut
Approvals	CE sign

Designation			Item no.	PG	Price
	m				Per unit
TIG function torch, Retox, water-cooled	4.0	Burndy, 12-pole	394-511016-10700	E4	502.00 €
	8.0		394-511016-10708	E4	561.00 €

Consumables TIG 450/450 SC



► The illustrations shown above merely serve as examples. Depending on the version, the actual product may be different.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.1	Gas nozzle	5	-	7.5	37	Ceramic	10	094-009646-00000	E4	2.20 €
1.1	Gas nozzle	6	-	10	37	Ceramic	10	094-009647-00000	E4	2.20 €
1.1	Gas nozzle	8	-	13	37	Ceramic	10	094-009648-00000	E4	2.20 €
1.1	Gas nozzle	10	-	15	37	Ceramic	10	094-009649-00000	E4	2.20 €
1.2	Gas nozzle	5	-	7.5	52	Ceramic	10	094-009650-00000	E4	2.60 €
1.2	Gas nozzle	6	-	10	52	Ceramic	10	094-009651-00000	E4	2.60 €
1.2	Gas nozzle	8	-	13	52	Ceramic	10	094-009653-00000	E4	2.60 €
1.2	Gas nozzle	10	-	15	52	Ceramic	10	094-009654-00000	E4	2.60 €
1.3	Gas nozzle, reinforced	8	-	13	37	Ceramic	10	094-011997-00000	E4	2.33 €
1.3	Gas nozzle, reinforced	12	-	15	37	Ceramic	10	094-011998-00000	E4	2.33 €
1.4	Gas nozzle for gas diffuser	4	-	10	26	Ceramic	10	094-009655-00000	E4	2.41 €
1.4	Gas nozzle for gas diffuser	6	-	13	26	Ceramic	10	094-009656-00000	E4	2.41 €
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000	E4	2.89 €
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000	E4	2.89 €
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000	E4	2.89 €
1.6	Gas nozzle for gas diffuser, JUMBO	24	-	24	34	Ceramic	10	094-011999-00000	E4	2.89 €
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-009657-00000	E4	22.48 €
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011759-00000	E4	7.39 €
5.1	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000	E4	43.72 €
5.1	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000	E4	43.72 €
5.1	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000	E4	43.72 €
5.1	Gas diffuser, JUMBO	-	4	-	-	Brass	1	094-009661-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	1.6	-	-	-	1	094-023020-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	2.4	-	-	-	1	094-022685-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	3.2	-	-	-	1	094-023021-00000	E4	43.72 €
5.1	Gas diffuser, multi-layer	-	4	-	-	-	1	094-023022-00000	E4	43.72 €
5.5	Electrode holders	-	1.6	-	56	Brass	5	094-009634-00000	E4	7.81 €
5.5	Electrode holders	-	2.4	-	56	Brass	5	094-009636-00000	E4	7.81 €
5.5	Electrode holders	-	3.2	-	56	Brass	5	094-009637-00000	E4	7.81 €
5.5	Electrode holders	-	4	-	56	Brass	5	094-009638-00000	E4	7.81 €
5.6	Gas diffuser, multi-layer	-	1.6	-	51	Brass	5	094-023018-00000	E4	18.01 €
5.6	Gas diffuser, multi-layer	-	2.4	-	51	Brass	5	094-004969-00000	E4	18.01 €
5.6	Gas diffuser, multi-layer	-	3.2	-	51	Brass	5	094-006255-00000	E4	18.01 €
5.7	Gas diffuser	-	1.6	-	48	Brass	2	094-009640-00000	E4	19.62 €
5.7	Gas diffuser	-	2.4	-	48	Brass	2	094-009642-00000	E4	19.62 €
5.7	Gas diffuser	-	3.2	-	48	Brass	2	094-009643-00000	E4	19.62 €
5.7	Gas diffuser	-	4	-	48	Brass	2	094-009644-00000	E4	19.62 €
6.1	Back cap, short	short	-	-	19	Plastic	5	094-010723-00000	E4	6.02 €
6.2	Back cap, long	long	-	-	120	Plastic	5	094-010601-00000	E4	10.63 €

TIG 200/450



- Replacement parts set for TIG welding torches, types TIG 200 and TIG 450
- Comprises the following:
- 2 torch caps (short, long)
- 3 electrode holders (1 x D = 1.6 mm, 1 x D = 2.4 mm and 1x D = 3.2 mm)
- 1 gas diffuser (D = 2.4 mm/L = 33 mm)
- 3 gas nozzles (1 x D = 10 mm, 1 x D = 13 mm and 1 x D = 15 mm/L = 37 mm)
- 1 insulator
- 6 tungsten electrodes (3 x D = 1.6 mm, 2 x D = 2.4 mm and 2 x D = 3.2 mm/L = 175 mm)

Designation	Item no.	PG	Price Per unit
Replacement parts set	092-015251-00000	B2	135.00 €

TIG-SR 18 CW/HW

„Consumables TIG-SR 18 CW/HW“ on page 336

- Wire feeding quantity setting during welding
- Compatible with SR replacement parts
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Replaceable steel/plastic liner
- Replaceable wire feed rotatable through 270°
- Excellent HF safety

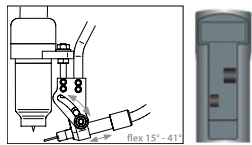


Equipment as delivered:

- Gas nozzle: Ø 12.5 mm, size 8
- Collet body with gas lens: Ø 3.2 mm
- Collet: Ø 3.2 mm
- Tungsten electrode E3 (purple): Ø 3.2 mm
- Back cap, "short"

Duty cycle DC-	300 A / 100 %
Duty cycle AC	210 A / 100 %
Electrode clamping range	1 mm - 4 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 12-pole
Shielding gas supply	G 1/4" RH, crown nut
Filler wire Ø	0.8 mm - 1.6 mm
Approvals	CE sign

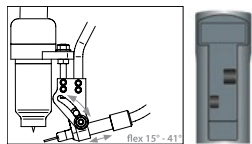
TIG-SR 18 GRIP WD CW U/D HFL



- Water cooled TIG welding torch with a separate cold wire feed
- Wire feed integrated in the grip

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, cold wire, up/down	3.0	Burndy, 12-pole	094-500102-10203	B1	821.00 €
	4.0		094-500102-10200	B1	848.00 €

TIG-SR 18 GRIP WD HW U/D HFL

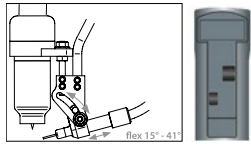


- Water cooled TIG welding torch with a separate cold and hot wire feed
- Wire feed and hot wire current lead integrated in grip



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, hot wire, up/down	3.0	Burndy, 12-pole	094-500106-10203	B1	869.00 €
	4.0		094-500106-10200	B1	895.00 €

„Consumables TIG-SR 18 CW/HW“ on page 336

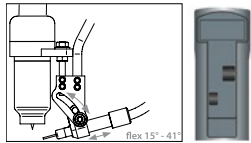
TIG-SR 18 GRIP WD CW WO U/D HFL





- Water cooled TIG welding torch with a separate cold wire feed
- Ideal for welding extremely soft or extremely hard wires thanks to external wire feed

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, cold wire, up/ down	3.0	Burndy, 12-pole	094-500165-10203	B1	906.00 €
	4.0		094-500165-10200	B1	933.00 €

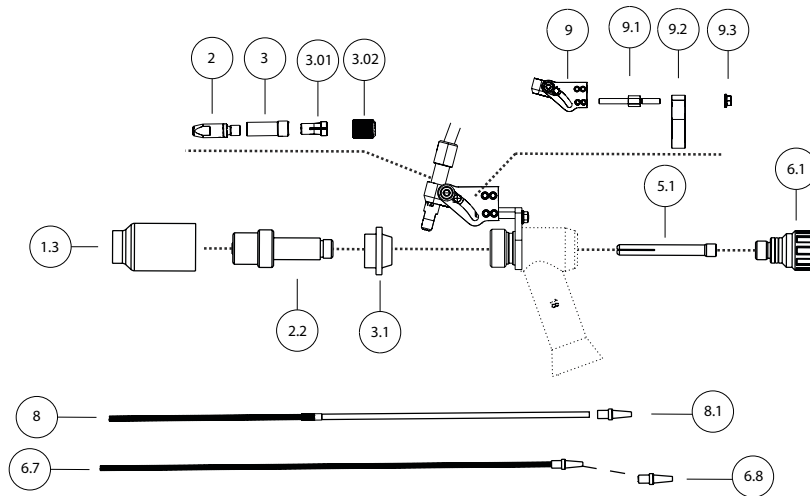
TIG-SR 18 GRIP WD HW WO U/D HFL



- Water cooled TIG welding torch with a separate cold and hot wire feed
- Ideal for welding extremely soft or extremely hard wires thanks to external wire feed

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, hot wire, up/down	3.0	Burndy, 12-pole	094-500171-10203	B1	1,018.00 €
	4.0		094-500171-10200	B1	1,044.00 €

Consumables TIG-SR 18 CW/HW



► The consumables featured show the standard "Flex bracket, short" design only. You will find other designs such as "Flex bracket, long", "Mini", fixed feed angles or models equipped with Jumbo gas nozzles in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.3	Gas nozzle for gas lens	4	-	6.5	-	-	42	Ceramic	10	094-001320-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	5	-	8	-	-	42	Ceramic	10	094-001321-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	6	-	9.5	-	-	42	Ceramic	10	094-001322-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	7	-	11	-	-	42	Ceramic	10	094-001195-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	8	-	12.5	-	-	42	Ceramic	10	094-001196-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	12	-	19.5	-	-	42	Ceramic	10	094-001323-00000	E4	1.72 €
2	Contact nozzle	-	-	-	0.8	M6	28	CuCrZr	10	094-013071-00000	B3	1.28 €
2	Contact nozzle	-	-	-	0.9	M6	28	CuCrZr	10	094-013122-00000	B3	1.28 €
2	Contact nozzle	-	-	-	1	M6	28	CuCrZr	10	094-013072-00000	B3	1.28 €
2	Contact nozzle	-	-	-	1.2	M6	28	CuCrZr	10	094-014317-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	-	-	0.8	M6	28	E-Cu	10	094-016105-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	-	-	0.9	M6	28	E-Cu	10	094-016106-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	-	-	1	M6	28	E-Cu	10	094-016107-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	-	-	1.2	M6	28	E-Cu	10	094-016108-00000	B3	0.96 €
2.2	Collet body with gas lens	-	1.6	-	-	-	-	Brass	10	094-001325-00000	E4	7.80 €
2.2	Collet body with gas lens	-	2 - 2.4	-	-	-	-	Brass	10	094-001192-00000	E4	7.80 €
2.2	Collet body with gas lens	-	3.2	-	-	-	-	Brass	10	094-001193-00000	E4	7.80 €
2.2	Collet body with gas lens	-	4	-	-	-	-	Brass	10	094-001326-00000	E4	7.80 €
3	Connecting sleeve	-	-	-	-	-	-	-	2	094-019544-00000	B2	4.89 €
3.02	Crown nut	-	-	-	-	-	-	-	10	094-009034-00002	E5	2.21 €

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Wire Ø	Thread	Length	Material	PU	Item no.	PG	Price
			mm	mm	mm		mm		Units			Per unit
3.1	Adapters	XL	-	-	-	-	-	Teflon	10	094-001194-00000	E6	1.38 €
5.1	Collet	-	1.6	-	-	-	50	Copper	10	094-000931-00000	E4	1.38 €
5.1	Collet	-	2.4	-	-	-	50	Copper	10	094-000932-00000	E4	1.38 €
5.1	Collet	-	3.2	-	-	-	50	Copper	10	094-000935-00000	E4	1.38 €
5.1	Collet	-	4	-	-	-	50	Copper	10	094-001312-00000	E4	1.38 €
5.1	Long-life collet	-	1	-	-	-	50	-	5	094-022725-00000	HW8	2.52 €
5.1	Long-life collet	-	1.6	-	-	-	50	-	5	094-022726-00000	HW8	2.52 €
5.1	Long-life collet	-	2.4	-	-	-	50	-	5	094-021663-00000	HW8	2.52 €
5.1	Long-life collet	-	3.2	-	-	-	50	-	5	094-022727-00000	HW8	2.52 €
5.1	Long-life collet	-	4	-	-	-	50	-	5	094-022728-00000	HW8	2.52 €
6.1	Back cap, short	short	-	-	-	-	31	Plastic	10	094-001120-00000	E6	3.79 €
9	Flex bracket (15–41°)	-	-	-	-	-	-	-	1	094-019613-00000	B2	58.70 €
9.1	Large spool/ drum	-	-	-	-	-	-	-	1	094-019547-00000	B2	13.40 €
9.2	Bracket for wire feed	-	-	-	-	-	-	-	1	094-019481-00001	B2	29.40 €
9.3	Hexagonal nut	-	-	-	-	-	-	-	20	074-000071-00000	S1	0.34 €

Plastic liners

Item	Designation	Wire Ø	Inside Ø	Outside Ø	Length	Material	PU	Item no.	PG	Price
		mm	mm	mm	m		Units			Per unit
3.01	Collet chuck	-	-	-	-	Brass	20	094-001082-00000	E5	0.89 €
6.7	Steel liner	0.6 - 1	1.5	3.3	3.5	Steel	1	092-018695-00003	B2	21.90 €
6.7	Steel liner	0.6 - 1	1.5	3.3	4.5	Steel	1	092-018695-00004	B2	25.30 €
6.7	Steel liner	1.2 - 1.6	2	4	3.5	Steel	1	092-018693-00003	B2	11.60 €
6.7	Steel liner	1.2 - 1.6	2	4	4.5	Steel	1	092-018693-00004	B2	12.70 €
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	3.5	CrNi	1	092-018696-00003	B2	33.00 €
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	4.5	CrNi	1	092-018696-00004	B2	39.60 €
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	3.5	CrNi	1	092-018694-00003	B2	18.00 €
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	4.5	CrNi	1	092-018694-00004	B2	20.10 €
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	5.5	CrNi	1	092-018694-00005	B2	22.20 €
6.7	Steel liner, brass	1.2 - 1.6	2	4	3.5	Brass	1	092-018697-00003	B2	25.90 €
6.7	Steel liner, brass	1.2 - 1.6	2	4	4.5	Brass	1	092-018697-00004	B2	29.40 €
6.8	Inlet guide for steel liners	-	-	-	-	-	2	094-020159-00000	B2	5.10 €
6.8	Inlet guide for steel liners	-	-	-	-	-	2	094-020069-00000	B2	5.10 €
8	Combined liner, PA	1.2 - 1.6	2	4	3.5	Polyamid	1	092-018706-00003	B2	33.60 €
8	Combined liner, PA	1.2 - 1.6	2	4	4.5	PA	1	092-018706-00004	B2	35.70 €
8.1	Inlet guide for plastic liners	-	-	4	-	-	2	094-014032-00001	B2	5.10 €

TIG 260 CW/HW

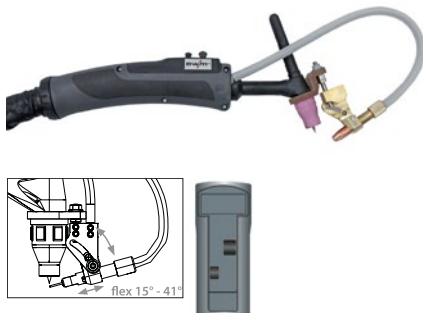
„Consumables TIG 260 CW/HW“ on page 340

- Better accessibility in cramped spaces compared to common hot/cold wire torches thanks to compact construction
- Wire feeding quantity setting during welding
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Replaceable steel/plastic liner
- Replaceable wire feed rotatable through 270°
- Excellent HF safety



Equipment as delivered:

- Gas diffuser, multi-layer: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm
- Back cap, short

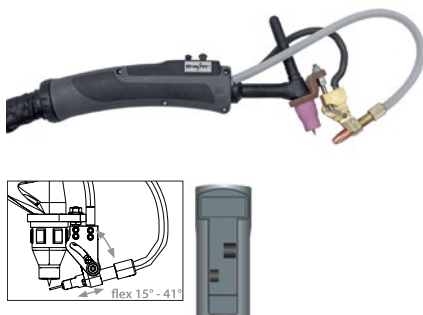
TIG 260 GRIP WD CW U/D HFL





- Water cooled TIG welding torch with a separate cold wire feed
- Wire feed integrated in the grip

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, cold wire, up/down	3.0	Burndy, 12-pole	094-500167-10203	E4	794.00 €
	4.0		094-500167-10200	E4	831.00 €

TIG 260 GRIP WD HW U/D HFL



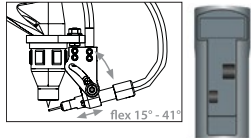
- Water cooled TIG welding torch with a separate cold and hot wire feed
- Wire feed integrated in the grip



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, hot/cold wire, Up/Down	3.0	Burndy, 12-pole	094-500169-10203	E4	871.00 €
	4.0		094-500169-10200	E4	889.00 €

„Consumables TIG 260 CW/HW“ on page 340

TIG 260 GRIP WD CW WO U/D HFL

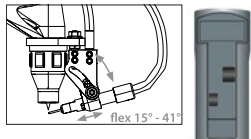
- Water cooled TIG welding torch with a separate cold wire feed
- Ideal for welding extremely soft or extremely hard wires thanks to external wire feed





Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, cold wire, up/down	3.0	Burndy, 12-pole	094-500168-10203	E4	853.00 €
	4.0		094-500168-10200	E4	890.00 €

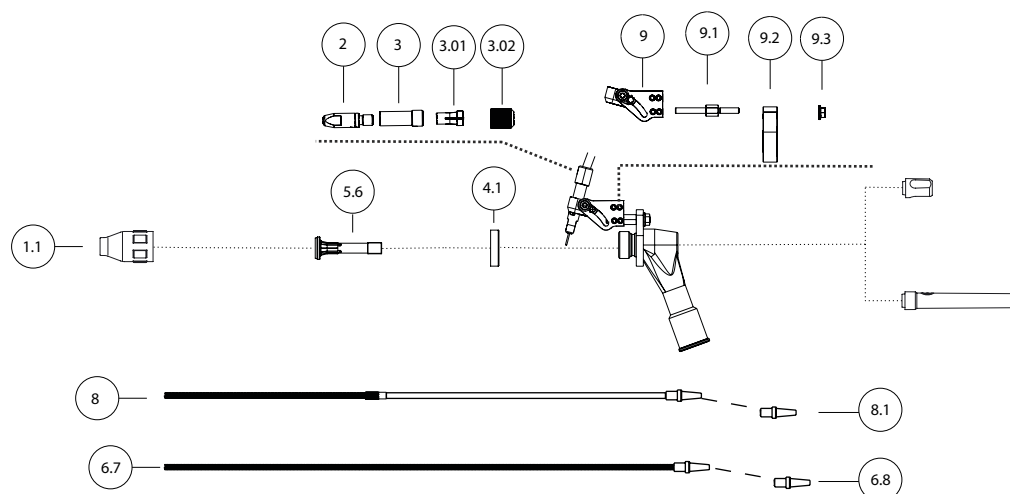
TIG 260 GRIP WD HW WO U/D HFL

- Water cooled TIG welding torch with a separate cold and hot wire feed
- Ideal for welding extremely soft or extremely hard wires thanks to external wire feed



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, hot/cold wire, Up/Down	3.0	Burndy, 12-pole	094-500170-10203	E4	925.00 €
	4.0		094-500170-10200	E4	955.00 €

Consumables TIG 260 CW/HW



► The consumables featured show the standard "Flex bracket, short" design only. You will find other designs such as "Flex bracket, long", "Mini", fixed feed angles or models equipped with Jumbo gas nozzles in our spare parts catalogue.

Item	Designation	Size	Electro-	Nozzle Ø	Wire Ø	Thread	Length	Material	PU	Item no.	PG	Price
			de Ø									Units
			mm	mm	mm		mm					
1.1	Gas nozzle	4	-	6.5	-	-	26	Ceramic	10	094-012672-00000	E4	2.03 €
1.1	Gas nozzle	6	-	8	-	-	26	Ceramic	10	094-012405-00000	E4	2.03 €
1.1	Gas nozzle	8	-	9.5	-	-	26	Ceramic	10	094-011756-00000	E4	2.03 €
1.1	Gas nozzle	10	-	11.5	-	-	26	Ceramic	10	094-011980-00000	E4	2.03 €
1.2	Gas nozzle	6	-	6.5	-	-	36	Ceramic	10	094-012673-00000	E4	2.40 €
1.2	Gas nozzle	7	-	8	-	-	36	Ceramic	10	094-012674-00000	E4	2.40 €
1.2	Gas nozzle	8	-	10	-	-	36	Ceramic	10	094-011982-00000	E4	2.40 €
1.2	Gas nozzle	10	-	11.5	-	-	36	Ceramic	10	094-011757-00000	E4	2.40 €
2	Contact nozzle	-	-	-	0.8	M6	28	CuCrZr	10	094-013071-00000	B3	1.28 €
2	Contact nozzle	-	-	-	0.9	M6	28	CuCrZr	10	094-013122-00000	B3	1.28 €
2	Contact nozzle	-	-	-	1	M6	28	CuCrZr	10	094-013072-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	-	-	0.8	M6	28	E-Cu	10	094-016105-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	-	-	0.9	M6	28	E-Cu	10	094-016106-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	-	-	1	M6	28	E-Cu	10	094-016107-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	-	-	1.2	M6	28	E-Cu	10	094-016108-00000	B3	0.96 €
3	Connecting sleeve	-	-	-	-	-	-	-	2	094-019544-00000	B2	4.89 €
3.02	Crown nut	-	-	-	-	-	-	-	10	094-009034-00002	E5	2.21 €
4.1	Insulator	Standard	-	-	-	-	-	Teflon	10	094-011979-00000	E4	2.28 €
5.6	Gas diffuser, multi-layer	-	1.6	-	-	-	35.5	-	5	394-002357-00000	E4	21.34 €
5.6	Gas diffuser, multi-layer	-	2.4	-	-	-	35.5	-	5	394-002038-00000	E4	21.34 €
5.6	Gas diffuser, multi-layer	-	3.2	-	-	-	35.5	-	5	394-002358-00000	E4	21.34 €
6.1	Back cap, short	short	-	-	-	-	19.5	Plastic	5	094-011752-00000	E4	6.51 €
6.2	Back cap, medium	medium	-	-	-	-	59	Plastic	5	094-011753-00000	E4	8.86 €
9	Flex bracket (15-41°)	-	-	-	-	-	-	-	1	094-019613-00000	B2	58.70 €

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Wire Ø	Thread	Length	Material	PU	Item no.	PG	Price
			mm	mm	mm		mm		Units			Per unit
9.1	Large spool/ drum	-	-	-	-	-	-	-	1	094-019543-00000	E1	9.60 €
9.2	Bracket for wire feed	-	-	-	-	-	-	-	1	094-021998-00000	B2	55.60 €
9.3	Hexagonal nut	-	-	-	-	-	-	-	20	074-000071-00000	S1	0.34 €

Plastic liners

Item	Designation	Wire Ø	Inside Ø	Outside Ø	Length	Material	PU	Item no.	PG	Price
		mm	mm	mm	m		Units			Per unit
3.01	Collet chuck	-	-	-	-	Brass	20	094-001082-00000	E5	0.89 €
6.7	Steel liner	0.6 - 1	1.5	3.3	3.5	Steel	1	092-018695-00003	B2	21.90 €
6.7	Steel liner	0.6 - 1	1.5	3.3	4.5	Steel	1	092-018695-00004	B2	25.30 €
6.7	Steel liner	1.2 - 1.6	2	4	3.5	Steel	1	092-018693-00003	B2	11.60 €
6.7	Steel liner	1.2 - 1.6	2	4	4.5	Steel	1	092-018693-00004	B2	12.70 €
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	3.5	CrNi	1	092-018696-00003	B2	33.00 €
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	4.5	CrNi	1	092-018696-00004	B2	39.60 €
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	3.5	CrNi	1	092-018694-00003	B2	18.00 €
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	4.5	CrNi	1	092-018694-00004	B2	20.10 €
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	5.5	CrNi	1	092-018694-00005	B2	22.20 €
6.7	Steel liner, brass	1.2 - 1.6	2	4	3.5	Brass	1	092-018697-00003	B2	25.90 €
6.7	Steel liner, brass	1.2 - 1.6	2	4	4.5	Brass	1	092-018697-00004	B2	29.40 €
6.8	Inlet guide for steel liners	-	-	-	-	-	2	094-020159-00000	B2	5.10 €
6.8	Inlet guide for steel liners	-	-	-	-	-	2	094-020069-00000	B2	5.10 €
8	Combined liner, PA	1.2 - 1.6	2	4	3.5	Polyamid	1	092-018706-00003	B2	33.60 €
8	Combined liner, PA	1.2 - 1.6	2	4	4.5	PA	1	092-018706-00004	B2	35.70 €
8.1	Inlet guide for plastic liners	-	-	4	-	-	2	094-014032-00001	B2	5.10 €

TIG 200/450 CW/HW

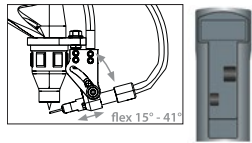
„Consumables TIG 200/450 CW/HW“ on page 344

- Wire feeding quantity setting during welding
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Replaceable steel/plastic liner
- Replaceable wire feed rotatable through 270°
- Excellent HF safety

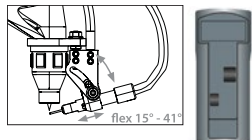
Equipment as delivered:

- Gas diffuser, multi-layer: Ø 3.2 mm
- Gas nozzle: Ø 10 mm, size 6
- Tungsten electrode E3 (purple): Ø 3.2 mm
- Steel liner: stainless steel
- Back cap, "short"

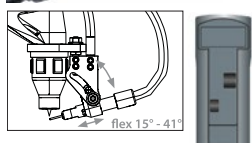
TIG 200 GRIP GD CW U/D HFL



TIG 450 GRIP WD CW U/D HFL



TIG 450 GRIP WD HW U/D HFL



Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 12-pole
Shielding gas supply	G 1/4" RH, crown nut
Approvals	CE sign

- Gas cooled TIG welding torch with integrated cold wire feed

Duty cycle DC-	200 A / 35 %
Duty cycle AC	140 A / 35 %
Electrode clamping range	1.6 mm - 3.2 mm
Filler wire Ø	0.8 mm - 1.6 mm

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, cold wire, up/down	3.0	Burndy, 12-pole	094-500132-10203	B1	891.00 €
	4.0		094-500132-10200	B1	912.00 €

- Water cooled TIG welding torch with a separate cold wire feed
- Wire feed integrated in the grip

Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, cold wire, up/down	3.0	Burndy, 12-pole	094-500094-10203	B1	938.00 €
	4.0		094-500094-10200	B1	965.00 €

- Water cooled TIG welding torch with a separate cold and hot wire feed
- Wire feed and hot wire current lead integrated in grip

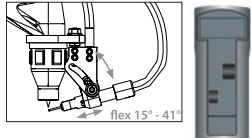
Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, hot wire, up/down	3.0	Burndy, 12-pole	094-500098-10203	B1	986.00 €
	4.0		094-500098-10200	B1	1,012.00 €

„Consumables TIG 200/450 CW/HW“ on page 344

TIG 450 GRIP WD CW WO U/D HFL

- Water cooled TIG welding torch with a separate cold wire feed
- Ideal for welding extremely soft or extremely hard wires thanks to external wire feed

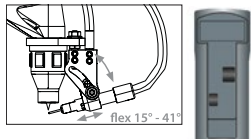


Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %
Electrode clamping range	1.6 mm - 3.2 mm
Filler wire Ø	0.8 mm - 1.6 mm

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch,	3.0	Burndy, 12-pole	094-500157-10203	B1	1,002.00 €
cold wire, up/ down	4.0		094-500157-10200	B1	1,039.00 €

TIG 450 GRIP WD HW WO U/D HFL

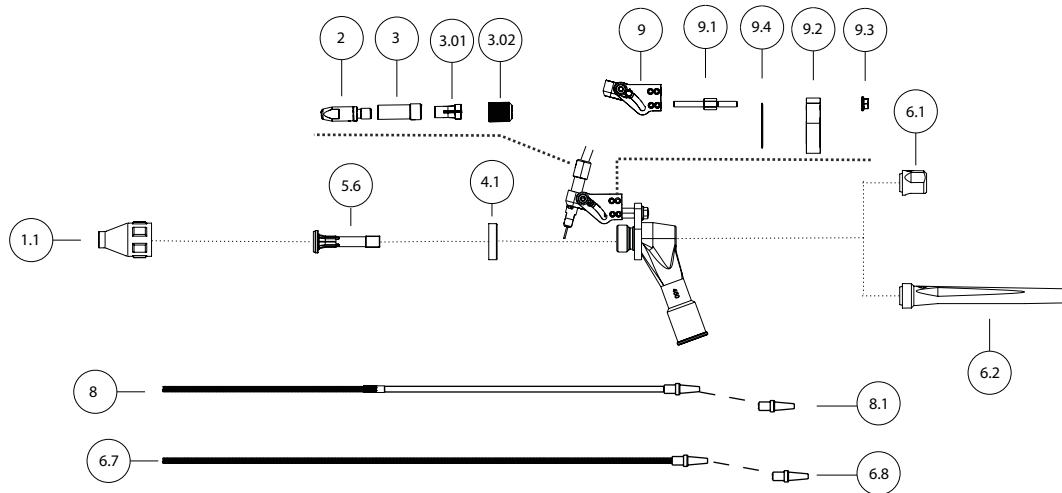
- Water cooled TIG welding torch with a separate cold and hot wire feed
- Ideal for welding extremely soft or extremely hard wires thanks to external wire feed



Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %
Electrode clamping range	1.6 mm - 3.2 mm
Filler wire Ø	0.8 mm - 1.6 mm

Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch,	3.0	Burndy, 12-pole	094-500158-10203	B1	1,056.00 €
hot wire, up/down	4.0		094-500158-10200	B1	1,093.00 €

Consumables TIG 200/450 CW/HW



► The consumables featured show the standard "Flex bracket, short" design only. You will find other designs such as "Flex bracket, long", "Mini", fixed feed angles or models equipped with Jumbo gas nozzles in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Wire Ø	Thread	Length	Material	PU	Item no.	PG	Price
			mm	mm	mm		mm		Units			Per unit
1.1	Gas nozzle	5	-	7.5	-	-	37	Ceramic	10	094-009646-00000	E4	2.20 €
1.1	Gas nozzle	6	-	10	-	-	37	Ceramic	10	094-009647-00000	E4	2.20 €
1.1	Gas nozzle	8	-	13	-	-	37	Ceramic	10	094-009648-00000	E4	2.20 €
1.1	Gas nozzle	10	-	15	-	-	37	Ceramic	10	094-009649-00000	E4	2.20 €
2	Contact nozzle	-	-	-	0.8	M6	28	CuCrZr	10	094-013071-00000	B3	1.28 €
2	Contact nozzle	-	-	-	0.9	M6	28	CuCrZr	10	094-013122-00000	B3	1.28 €
2	Contact nozzle	-	-	-	1	M6	28	CuCrZr	10	094-013072-00000	B3	1.28 €
2	Contact nozzle	-	-	-	1.2	M6	28	CuCrZr	10	094-014317-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	-	-	0.8	M6	28	E-Cu	10	094-016105-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	-	-	0.9	M6	28	E-Cu	10	094-016106-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	-	-	1	M6	28	E-Cu	10	094-016107-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	-	-	1.2	M6	28	E-Cu	10	094-016108-00000	B3	0.96 €
3	Connecting sleeve	-	-	-	-	-	-	-	2	094-019544-00000	B2	4.89 €
3.02	Crown nut	-	-	-	-	-	-	-	10	094-009034-00002	E5	2.21 €
4.1	Insulator	Standard	-	-	-	-	-	Teflon	10	094-011759-00000	E4	7.39 €
5.6	Gas diffuser, multi-layer	-	1.6	-	-	-	51	Brass	5	094-023018-00000	E4	18.01 €
5.6	Gas diffuser, multi-layer	-	2.4	-	-	-	51	Brass	5	094-004969-00000	E4	18.01 €
5.6	Gas diffuser, multi-layer	-	3.2	-	-	-	51	Brass	5	094-006255-00000	E4	18.01 €
6.1	Back cap, short	short	-	-	-	-	19	Plastic	5	094-010723-00000	E4	6.02 €
6.2	Back cap, long	long	-	-	-	-	120	Plastic	5	094-010601-00000	E4	10.63 €
9	Flex bracket (15-41°)	-	-	-	-	-	-	-	1	094-019613-00000	B2	58.70 €
9.1	Large spool/drum	-	-	-	-	-	-	-	1	094-019543-00000	E1	9.60 €

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Wire Ø	Thread	Length	Material	PU	Item no.	PG	Price
			mm	mm	mm		mm		Units			Per unit
9.2	Bracket for wire feed	-	-	-	-	-	-	-	1	094-017907-00002	B2	21.40 €
9.3	Hexagonal nut	-	-	-	-	-	-	-	20	074-000071-00000	S1	0.34 €
9.4	Sealing ring	-	-	-	-	-	-	-	10	094-019391-00000	E1	1.81 €

Plastic liners

Item	Designation	Wire Ø	Inside Ø	Outside Ø	Length	Material	PU	Item no.	PG	Price
		mm	mm	mm	m		Units			Per unit
3.01	Collet chuck	-	-	-	-	Brass	20	094-001082-00000	E5	0.89 €
6.7	Steel liner	0.6 - 1	1.5	3.3	3.5	Steel	1	092-018695-00003	B2	21.90 €
6.7	Steel liner	0.6 - 1	1.5	3.3	4.5	Steel	1	092-018695-00004	B2	25.30 €
6.7	Steel liner	1.2 - 1.6	2	4	3.5	Steel	1	092-018693-00003	B2	11.60 €
6.7	Steel liner	1.2 - 1.6	2	4	4.5	Steel	1	092-018693-00004	B2	12.70 €
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	3.5	CrNi	1	092-018696-00003	B2	33.00 €
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	4.5	CrNi	1	092-018696-00004	B2	39.60 €
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	3.5	CrNi	1	092-018694-00003	B2	18.00 €
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	4.5	CrNi	1	092-018694-00004	B2	20.10 €
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	5.5	CrNi	1	092-018694-00005	B2	22.20 €
6.7	Steel liner, brass	1.2 - 1.6	2	4	3.5	Brass	1	092-018697-00003	B2	25.90 €
6.7	Steel liner, brass	1.2 - 1.6	2	4	4.5	Brass	1	092-018697-00004	B2	29.40 €
6.8	Inlet guide for steel liners	-	-	-	-	-	2	094-020159-00000	B2	5.10 €
6.8	Inlet guide for steel liners	-	-	-	-	-	2	094-020069-00000	B2	5.10 €
8	Combined liner, PA	1.2 - 1.6	2	4	3.5	Polyamid	1	092-018706-00003	B2	33.60 €
8	Combined liner, PA	1.2 - 1.6	2	4	4.5	PA	1	092-018706-00004	B2	35.70 €
8.1	Inlet guide for plastic liners	-	-	4	-	-	2	094-014032-00001	B2	5.10 €

TIG 200/450 CW/HW



- Replacement parts set for cold/hot wire torches, types TIG 200 and TIG 450
- Comprises the following:
 - 1 torch cap (short)
 - 2 gas diffusers, multi-layer (1 x Ø 2.4 mm and 1 x 3.2 mm)
 - 4 contact tips M6 x 28 mm CuCrZr (2 x Ø 1.0 mm and 2 x 1.2 mm)
 - 4 gas nozzles (2 x Ø 10 mm, 2 x 13 mm)
 - 4 tungsten electrodes (2 x Ø 2.4 mm and 2 x 3.2 mm)

Designation	Item no.	PG	Price
			Per unit
Replacement parts set	092-015797-00000	B2	133.90 €

comfyTig

„Consumables comfyTig“ on page 347

- Hardly any difference in operation when switching from MIG/MAG to cold or hot wire welding
- Replaceable steel/plastic liner
- Replaceable wire feed rotatable through 270°
- Excellent HF safety

Duty cycle DC-	300 A / 100 %
Duty cycle AC	210 A / 100 %
Electrode clamping range	1 mm - 4 mm
Torch connection	Decentral 35 mm ² (pin Ø 13 mm ²)
Control cable connection	Burndy, 12-pole
Shielding gas supply	G 1/4" RH, crown nut
Filler wire Ø	0.8 mm - 1.6 mm
Approvals	CE sign

Equipment as delivered:



- Gas nozzle: Ø 12.5 mm, size 8
- Collet body with gas lens: Ø 3.2 mm
- Collet: Ø 3.2 mm
- Tungsten electrode E3 (purple): Ø 3.2 mm

comfyTig 18-1 CW



- Water cooled TIG welding torch with a separate cold wire feed
- Wire feed integrated in the grip





Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, cold wire	3.0	Burndy, 12-pole	094-500145-00603	B1	992.00 €
	4.0		094-500145-00600	B1	1,018.00 €

comfyTig 18-1 HW

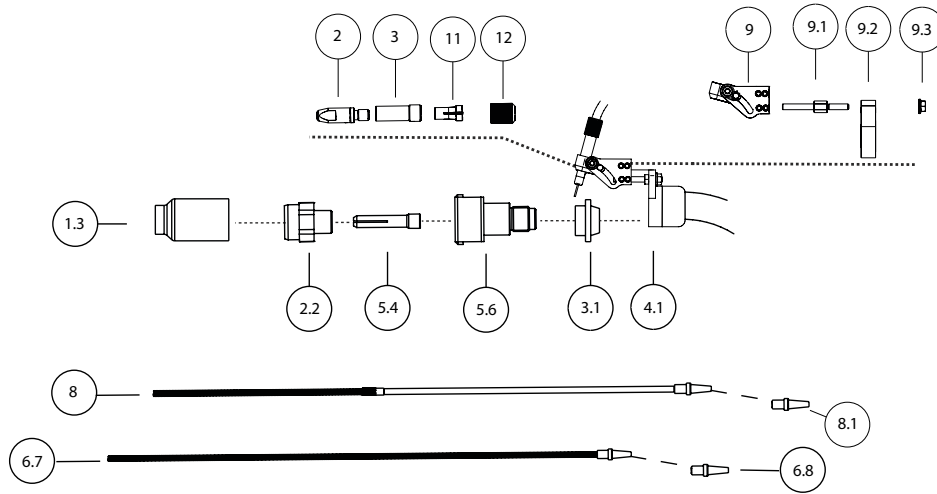


- Water cooled TIG welding torch with a separate cold and hot wire feed
- Wire feed and hot wire current lead integrated in grip



Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, hot wire	3.0	Burndy, 12-pole	094-500149-00603	B1	1,040.00 €
	4.0		094-500149-00600	B1	1,066.00 €

Consumables comfyTig



► The consumables featured show the standard "Flex bracket, short" design only. You will find other designs such as "Flex bracket, long", "Mini", fixed feed angles or models equipped with Jumbo gas nozzles in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Wire Ø	Thread	Length	Material	PU	Item no.	PG	Price
									Units			
1.3	Gas nozzle for gas lens	4	-	6.5	-	-	42	Ceramic	10	094-001320-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	5	-	8	-	-	42	Ceramic	10	094-001321-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	6	-	9.5	-	-	42	Ceramic	10	094-001322-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	7	-	11	-	-	42	Ceramic	10	094-001195-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	8	-	12.5	-	-	42	Ceramic	10	094-001196-00000	E4	1.72 €
1.3	Gas nozzle for gas lens	12	-	19.5	-	-	42	Ceramic	10	094-001323-00000	E4	1.72 €
2	Contact nozzle	-	-	-	0.8	M6	28	CuCrZr	10	094-013071-00000	B3	1.28 €
2	Contact nozzle	-	-	-	0.9	M6	28	CuCrZr	10	094-013122-00000	B3	1.28 €
2	Contact nozzle	-	-	-	1	M6	28	CuCrZr	10	094-013072-00000	B3	1.28 €
2	Contact nozzle	-	-	-	1.2	M6	28	CuCrZr	10	094-014317-00000	B3	1.28 €
2	Contact tip, aluminium welding	-	-	-	0.8	M6	28	E-Cu	10	094-016105-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	-	-	0.9	M6	28	E-Cu	10	094-016106-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	-	-	1	M6	28	E-Cu	10	094-016107-00000	B3	0.96 €
2	Contact tip, aluminium welding	-	-	-	1.2	M6	28	E-Cu	10	094-016108-00000	B3	0.96 €
2.2	Collet body with gas lens	-	1	-	-	-	-	Copper	10	094-012697-00000	E4	20.92 €
2.2	Collet body with gas lens	-	1.6	-	-	-	-	Copper	10	094-012698-00000	E4	20.92 €
2.2	Collet body with gas lens	-	2.4	-	-	-	-	Copper	10	094-012699-00000	E4	20.92 €
2.2	Collet body with gas lens	-	3.2	-	-	-	-	Copper	10	094-001362-00000	E4	20.92 €

Consumables comfyTig

Item	Designation	Size	Electro-	Nozzle Ø	Wire Ø	Thread	Length	Material	PU	Item no.	PG	Price
			de Ø	mm	mm				mm			Units
2.2	Collet body with gas lens	-	4	-	-	-	-	Copper	1	094-001363-00000	E4	20.92 €
3	Connecting sleeve	-	-	-	-	-	-	-	2	094-019544-00000	B2	4.89 €
3.02	Crown nut	-	-	-	-	-	-	-	10	094-009034-00002	E5	2.21 €
3.1	Adapters	XL	-	-	-	-	-	Teflon	10	094-001194-00000	E6	1.38 €
4.1	O-ring	-	-	-	-	-	-	-	10	094-008422-00000	B2	1.06 €
5.4	Collet	-	1	-	-	-	29.5	Copper	10	094-019605-00000	E5	3.84 €
5.4	Collet	-	1.6	-	-	-	29.5	Copper	10	094-017284-00000	E6	3.84 €
5.4	Collet	-	2.4	-	-	-	29.5	Copper	10	094-017285-00000	E6	3.84 €
5.4	Collet	-	3.2	-	-	-	29.5	Copper	10	094-019288-00000	E6	3.84 €
5.6	Collet body mount	-	-	-	-	-	-	-	1	094-021094-00001	B2	20.80 €
9	Flex bracket (15-41°)	-	-	-	-	-	-	-	1	094-019613-00000	B2	58.70 €
9.1	Large spool/drum	-	-	-	-	-	-	-	1	094-019169-00001	E1	8.40 €
9.2	Bracket for wire feed	-	-	-	-	-	-	-	1	094-020666-00000	B2	32.10 €
9.3	Hexagonal nut	-	-	-	-	-	-	-	20	074-000071-00000	S1	0.34 €

Plastic liners

Item	Designation	Wire Ø	Inside Ø	Outside Ø	Length	Material	PU	Item no.	PG	Price
		mm	mm	mm			m			Units
3.01	Collet chuck	-	-	-	-	Brass	20	094-001082-00000	E5	0,89 €
6.7	Steel liner	0.6 - 1	1.5	3.3	3.5	Steel	1	092-018695-00003	B2	21,90 €
6.7	Steel liner	0.6 - 1	1.5	3.3	4.5	Steel	1	092-018695-00004	B2	25,30 €
6.7	Steel liner	1.2 - 1.6	2	4	3.5	Steel	1	092-018693-00003	B2	11,60 €
6.7	Steel liner	1.2 - 1.6	2	4	4.5	Steel	1	092-018693-00004	B2	12,70 €
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	3.5	CrNi	1	092-018696-00003	B2	33,00 €
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	4.5	CrNi	1	092-018696-00004	B2	39,60 €
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	3.5	CrNi	1	092-018694-00003	B2	18,00 €
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	4.5	CrNi	1	092-018694-00004	B2	20,10 €
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	5.5	CrNi	1	092-018694-00005	B2	22,20 €
6.7	Steel liner, brass	1.2 - 1.6	2	4	3.5	Brass	1	092-018697-00003	B2	25,90 €
6.7	Steel liner, brass	1.2 - 1.6	2	4	4.5	Brass	1	092-018697-00004	B2	29,40 €
6.8	Inlet guide for steel liners	-	-	-	-	-	2	094-020159-00000	B2	5,10 €
6.8	Inlet guide for steel liners	-	-	-	-	-	2	094-020069-00000	B2	5,10 €
8	Combined liner, PA	1.2 - 1.6	2	4	3.5	Polyamid	1	092-018706-00003	B2	33,60 €
8	Combined liner, PA	1.2 - 1.6	2	4	4.5	PA	1	092-018706-00004	B2	35,70 €
8.1	Inlet guide for plastic liners	-	-	4	-	-	2	094-014032-00001	B2	5,10 €



TIG welding torches - spotArc

spotArc

- Spot welding torch, with welding nozzles for fillet welds, edge welds and flat welds incl. setting gauge
- Better surface formation in comparison to resistance welding
- Flatter spot formation in comparison to MAG spot welding
- Excellent seam quality due to minimal heat input
- Very low thermal stresses and little distortion due to short welding times
- Perfect for visible joints due to clean seam appearance
- Robust design
- Excellent HF safety



Equipment as delivered:

- Collet body: Ø 2.4 mm
- One spot welding nozzle each for fillet, edge and flat weld

spotArc G



spotArc W



Approvals







CE sign

Duty cycle DC-

200 A / 60 %

Duty cycle AC

160 A / 60 %







Designation			Item no.	PG	Price
	m				Per unit
TIG welding torch, gas-cooled	4.0		094-500046-00000	B1	432.00 €
	8.0		094-500046-00008	B1	485.00 €
	4.0		094-500047-00000	B1	453.00 €
	8.0		094-500047-00008	B1	507.00 €

Duty cycle DC-

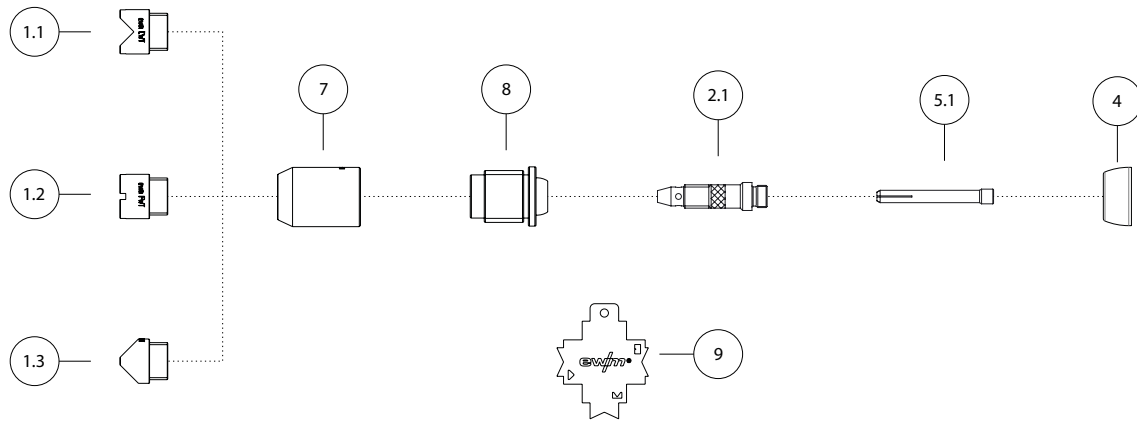
400 A / 100 %

Duty cycle AC

360 A / 100 %

Designation			Item no.	PG	Price
	m				Per unit
TIG spot welding torch, water-cooled	4.0		094-500048-00000	B1	539.00 €
	8.0		094-500048-00008	B1	592.00 €
	4.0		094-500049-00000	B1	549.00 €
	8.0		094-500049-00008	B1	603.00 €

Consumables spotArc



Item	Designation	Electro-	Length	Material	PU	Item no.	PG	Price
		de Ø						
1.1	Spot welding nozzle, edge weld	-	-	Copper	5	094-009602-00002	E6	7.10 €
1.2	Spot welding nozzle, flat weld	-	-	Copper	5	094-009604-00002	E6	6.40 €
1.3	Spot welding nozzle, fillet weld	-	-	Copper	5	094-009603-00002	E6	9.30 €
2.1	Clamping sleeve housings	1.6	-	Copper	10	094-000936-00000	E4	2.78 €
2.1	Clamping sleeve housings	2 - 2.4	-	Copper	10	094-000937-00000	E4	2.78 €
2.1	Clamping sleeve housings	3.2	-	Copper	10	094-000940-00000	E4	2.78 €
2.1	Clamping sleeve housings	4	-	Copper	10	094-001315-00000	E4	2.78 €
4	Insulator	-	-	-	2	094-019215-00000	B2	5.77 €
5.1	Collet	1.6	50	Copper	10	094-000931-00000	E4	1.38 €
5.1	Collet	2.4	50	Copper	10	094-000932-00000	E4	1.38 €
5.1	Collet	3.2	50	Copper	10	094-000935-00000	E4	1.38 €
5.1	Collet	4	50	Copper	10	094-001312-00000	E4	1.38 €
7	Gas nozzle body	-	-	-	1	094-017309-00001	B2	17.50 €
8	Gas nozzle	-	-	-	10	094-017310-00000	B2	5.72 €
9	Electrode setting gauge with adjustable, flat-ground and non-wearing carbide stop	-	-	Stainless steel, rust-proof	1	094-014146-00001	B2	13.10 €

TIG-MT 200G

- Gas-cooled TIG welding torch




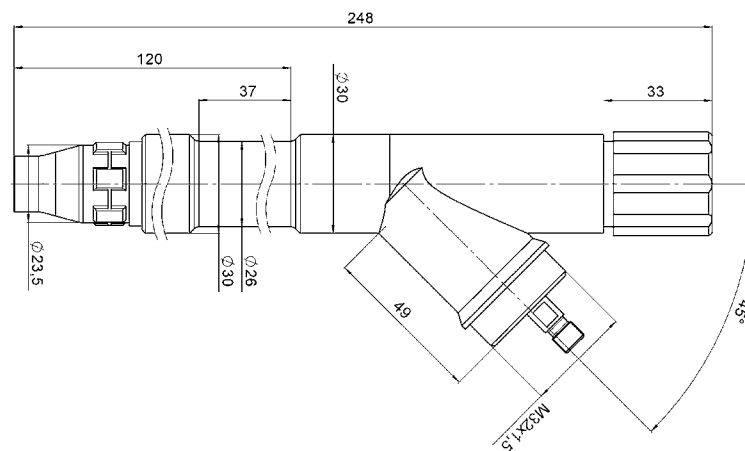
TIG-MT 200G



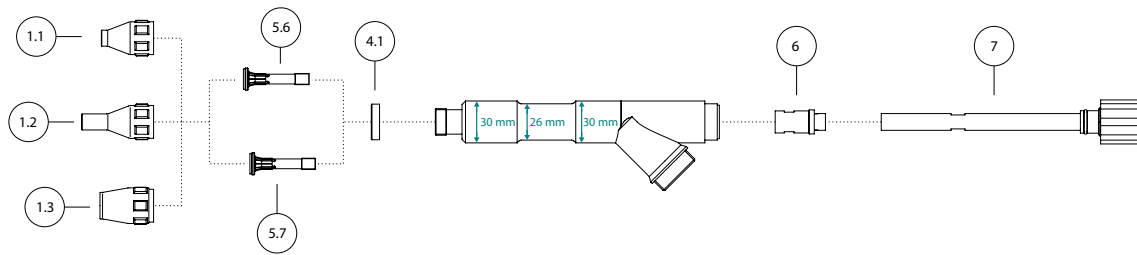
- Automated TIG welding torch, gas-cooled
- Long service life thanks to best heat dissipation combined with smallest possible size
- Hose package outlet on side without risk of kinking
- Tungsten electrode can be adjusted from the rear
- Clamping diameter range 26 mm
- Equipment as supplied:
- Gas diffuser: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 6

Duty cycle DC-	200 A / 60 %
Duty cycle AC	140 A / 60 %
Electrode Ø	1 mm - 4.8 mm
Connection	Decentral

Designation		Item no.	PG	Price
	m			
Automated TIG welding torch, gas-cooled	3.0	094-011708-00003	E4	372.28 €
	4.0	094-011708-00000	E4	389.32 €



Consumables TIG-MT 200G



Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.1	Gas nozzle	5	-	7.5	37	Ceramic	10	094-009646-00000	E4	2.20 €
1.1	Gas nozzle	6	-	10	37	Ceramic	10	094-009647-00000	E4	2.20 €
1.1	Gas nozzle	8	-	13	37	Ceramic	10	094-009648-00000	E4	2.20 €
1.1	Gas nozzle	10	-	15	37	Ceramic	10	094-009649-00000	E4	2.20 €
1.2	Gas nozzle	5	-	7.5	52	Ceramic	10	094-009650-00000	E4	2.60 €
1.2	Gas nozzle	6	-	10	52	Ceramic	10	094-009651-00000	E4	2.60 €
1.2	Gas nozzle	8	-	13	52	Ceramic	10	094-009653-00000	E4	2.60 €
1.2	Gas nozzle	10	-	15	52	Ceramic	10	094-009654-00000	E4	2.60 €
1.3	Gas nozzle, reinforced	8	-	13	37	Ceramic	10	094-011997-00000	E4	2.33 €
1.3	Gas nozzle, reinforced	12	-	15	37	Ceramic	10	094-011998-00000	E4	2.33 €
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011759-00000	E4	7.39 €
5.6	Gas diffuser, multi-layer	-	1.6	-	51	Brass	5	094-023018-00000	E4	18.01 €
5.6	Gas diffuser, multi-layer	-	2.4	-	51	Brass	5	094-004969-00000	E4	18.01 €
5.6	Gas diffuser, multi-layer	-	3.2	-	51	Brass	5	094-006255-00000	E4	18.01 €
5.7	Gas diffuser	-	1.6	-	48	Brass	2	094-009640-00000	E4	19.62 €
5.7	Gas diffuser	-	2	-	48	Brass	2	094-009641-00000	E4	19.62 €
5.7	Gas diffuser	-	2.4	-	48	Brass	2	094-009642-00000	E4	19.62 €
5.7	Gas diffuser	-	3.2	-	48	Brass	2	094-009643-00000	E4	19.62 €
5.7	Gas diffuser	-	4	-	48	Brass	2	094-009644-00000	E4	19.62 €
5.7	Gas diffuser	-	4.8	-	48	Brass	2	094-009645-00000	E4	19.62 €
6	Mount for guide tube	-	-	-	-	-	1	094-020286-00000	E4	8.64 €
7	Guide tube	-	-	-	-	-	1	094-020285-00000	E4	69.16 €

Torch holder



Version	Suitable for ABITIG-MT 200G / 300W		
Clamping range	26		
Designation	Item no.	PG	Price Per unit
Torch holder suitable for TIG-MT 200G/300W	094-013690-00000	A2	123.91 €

TIG welding torches - Automated welding torch – TIG-MT series


TIG-MT 300W

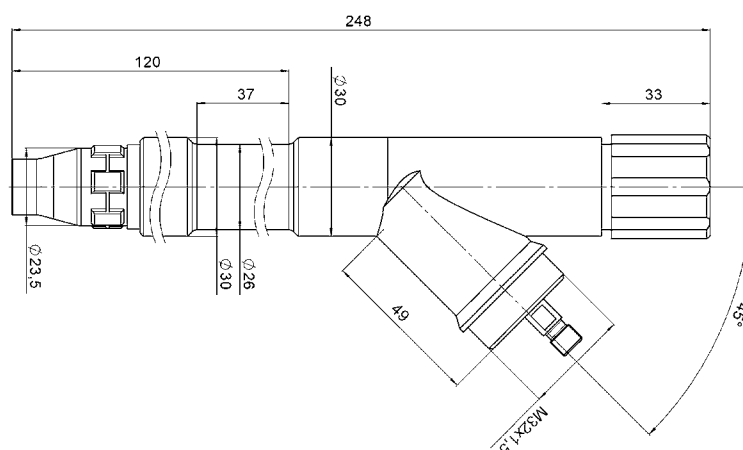
TIG-MT 300W



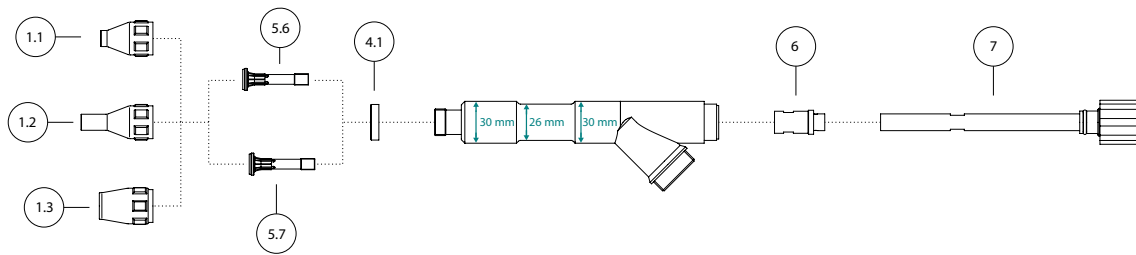
- Automated TIG welding torch, water-cooled
- Long service life thanks to best heat dissipation combined with smallest possible size
- Hose package outlet on side without risk of kinking
- Tungsten electrode can be adjusted from the rear
- Equipment as supplied:
- Gas diffuser: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 6

Duty cycle DC-	300 A / 100 %
Duty cycle AC	210 A / 100 %
Electrode Ø	1.6 mm - 4.8 mm
Connection	Decentral

Designation		Item no.	PG	Price
	m			Per unit
Automated TIG welding torch, water-cooled	3.0	094-011709-00000	E4	472.18 €
	4.0	094-011709-00004	E4	495.34 €
	8.0	094-011709-00008	E4	596.75 €



Consumables TIG-MT 300W



Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Units	Item no.	PG	Price Per unit
1.1	Gas nozzle	5	-	7.5	37	Ceramic	10	094-009646-00000	E4	2.20 €
1.1	Gas nozzle	6	-	10	37	Ceramic	10	094-009647-00000	E4	2.20 €
1.1	Gas nozzle	8	-	13	37	Ceramic	10	094-009648-00000	E4	2.20 €
1.1	Gas nozzle	10	-	15	37	Ceramic	10	094-009649-00000	E4	2.20 €
1.2	Gas nozzle	5	-	7.5	52	Ceramic	10	094-009650-00000	E4	2.60 €
1.2	Gas nozzle	6	-	10	52	Ceramic	10	094-009651-00000	E4	2.60 €
1.2	Gas nozzle	8	-	13	52	Ceramic	10	094-009653-00000	E4	2.60 €
1.2	Gas nozzle	10	-	15	52	Ceramic	10	094-009654-00000	E4	2.60 €
1.3	Gas nozzle, reinforced	8	-	13	37	Ceramic	10	094-011997-00000	E4	2.33 €
1.3	Gas nozzle, reinforced	12	-	15	37	Ceramic	10	094-011998-00000	E4	2.33 €
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011759-00000	E4	7.39 €
5.6	Gas diffuser, multi-layer	-	1.6	-	51	Brass	5	094-023018-00000	E4	18.01 €
5.6	Gas diffuser, multi-layer	-	2.4	-	51	Brass	5	094-004969-00000	E4	18.01 €
5.6	Gas diffuser, multi-layer	-	3.2	-	51	Brass	5	094-006255-00000	E4	18.01 €
5.7	Gas diffuser	-	1.6	-	48	Brass	2	094-009640-00000	E4	19.62 €
5.7	Gas diffuser	-	2.4	-	48	Brass	2	094-009642-00000	E4	19.62 €
5.7	Gas diffuser	-	3.2	-	48	Brass	2	094-009643-00000	E4	19.62 €
5.7	Gas diffuser	-	4	-	48	Brass	2	094-009644-00000	E4	19.62 €
5.7	Gas diffuser	-	4.8	-	48	Brass	2	094-009645-00000	E4	19.62 €
6	Mount for guide tube	-	-	-	-	-	1	094-020286-00000	E4	8.64 €
7	Guide tube	-	-	-	-	-	1	094-020285-00000	E4	69.16 €

Torch holder



Version	Suitable for ABITIG-MT 200G / 300W
Clamping range	26

Designation	Item no.	PG	Price Per unit
Torch holder suitable for TIG-MT 200G/300W	094-013690-00000	A2	123.91 €


TIG-MT 500W

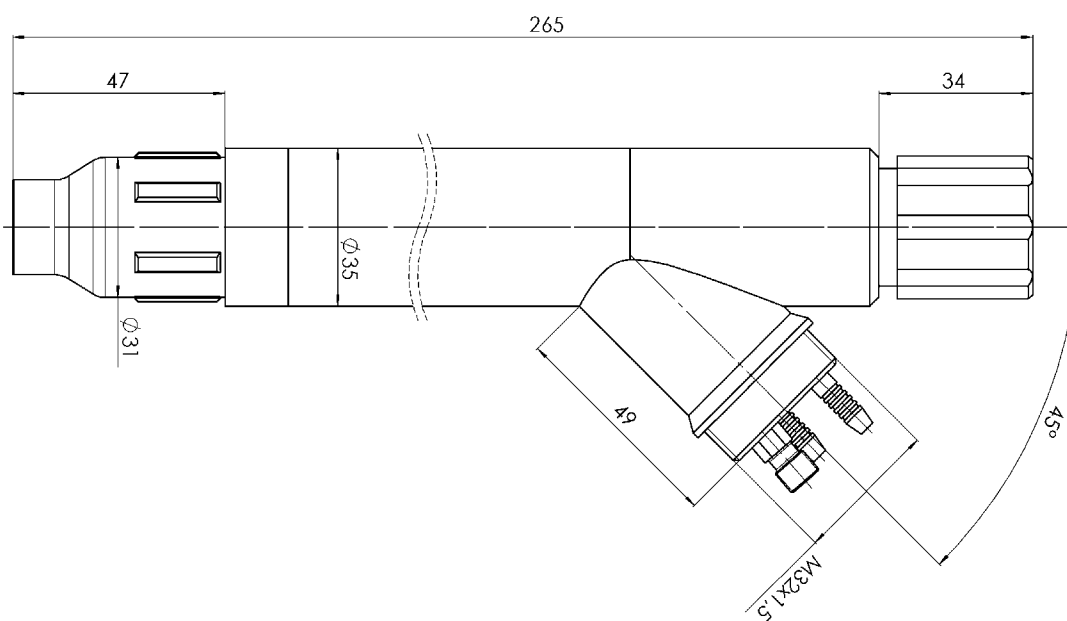
TIG-MT 500W



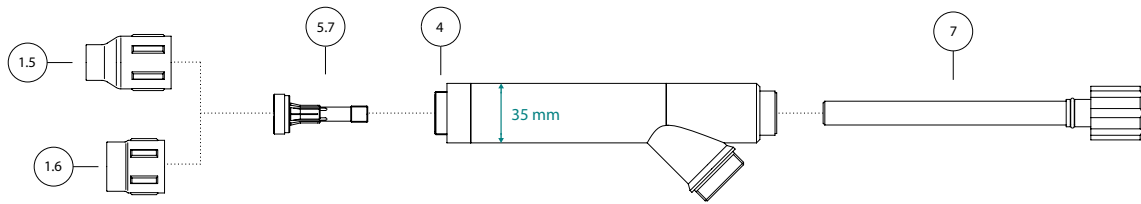
- Automated TIG welding torch, water-cooled
- Long service life thanks to best heat dissipation combined with smallest possible size
- Hose package outlet on side without risk of kinking
- Tungsten electrode can be adjusted from the rear
- Equipment as supplied:
- Gas diffuser: Ø 3.2 mm
- Gas nozzle: Ø 12.5 mm, size 12

Duty cycle DC-	500 A / 100 %
Duty cycle AC	350 A / 100 %
Electrode Ø	1.6 mm - 6.4 mm
Connection	Decentral

Designation		Item no.	PG	Price
	m			Per unit
Automated TIG welding torch, water-cooled	3.0	094-013706-00003	E4	745.41 €
	4.0	094-013706-00000	E4	770.76 €
	8.0	094-013706-00008	E4	878.45 €



Consumables TIG-MT 500W



Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU	Item no.	PG	Price Per unit
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000	E4	2.89 €
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000	E4	2.89 €
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000	E4	2.89 €
1.6	Gas nozzle for gas diffuser, JUMBO	24	-	24	34	Ceramic	10	094-011999-00000	E4	2.89 €
4	Insulator	-	-	-	-	-	1	094-017229-00000	E4	36.19 €
5.7	Gas diffuser	-	1.6	-	-	-	1	094-017223-00000	E4	53.46 €
5.7	Gas diffuser	-	2.4	-	-	-	1	094-017225-00000	E4	53.46 €
5.7	Gas diffuser	-	3.2	-	-	-	1	094-017226-00000	E4	53.46 €
5.7	Gas diffuser	-	4	-	-	-	1	094-017227-00000	E4	53.46 €
5.7	Gas diffuser	-	4.8	-	-	-	1	094-013753-00000	E4	53.46 €
5.7	Gas diffuser	-	6.4	-	-	-	1	094-017228-00000	E4	53.46 €
7	Guide tube	-	-	-	-	-	1	094-017217-00000	E4	105.53 €

Torch holder



Version	Suitable for ABITIG-MT 500W		
Clamping range	35		
Designation	Item no.	PG	Price
Torch holder suitable for TIG-MT 500W	094-013868-00000	A2	128.78 €

Filler wire codes TIG/plasma support

Determining item numbers for cold and hot wire feeds

An item code is required for ordering cold and hot wire supports, which forms the last five positions in the item number. This is formulated according to the configuration of the support.

Filler wire support code

Basic item number: 094-0020614-**ABCDD**

Position in item no.	Code	Designation	Matching connection
A	0	Cold wire	
	1	Hot wire	
B	0	T drive 4 Rob.2	Quick Connect L
	1	T drive 4 Rob.3	Quick Connect S
	2	Tetrix drive 4L/tigSpeed drive 45/tigSpeed drive 4 Rob	Dinse connector
C	0	Steel design	
	1	Stainless steel design	
	2	Aluminium design	
DD	10-40	Indication of the length	

Configuration examples:

Cold wire support, T drive 4 Rob.2, steel, 3 metres/092-020614-00030

Position in item no.	Code	Designation
A	0	Cold wire
B	0	T drive 4 Rob.2
C	0	Steel design
DD	30	3 metres

094-0020614- **0 0 0 30** End number

Hot wire support, T drive 4 Rob.3, stainless steel, 1.5 metres/092-020614-11115

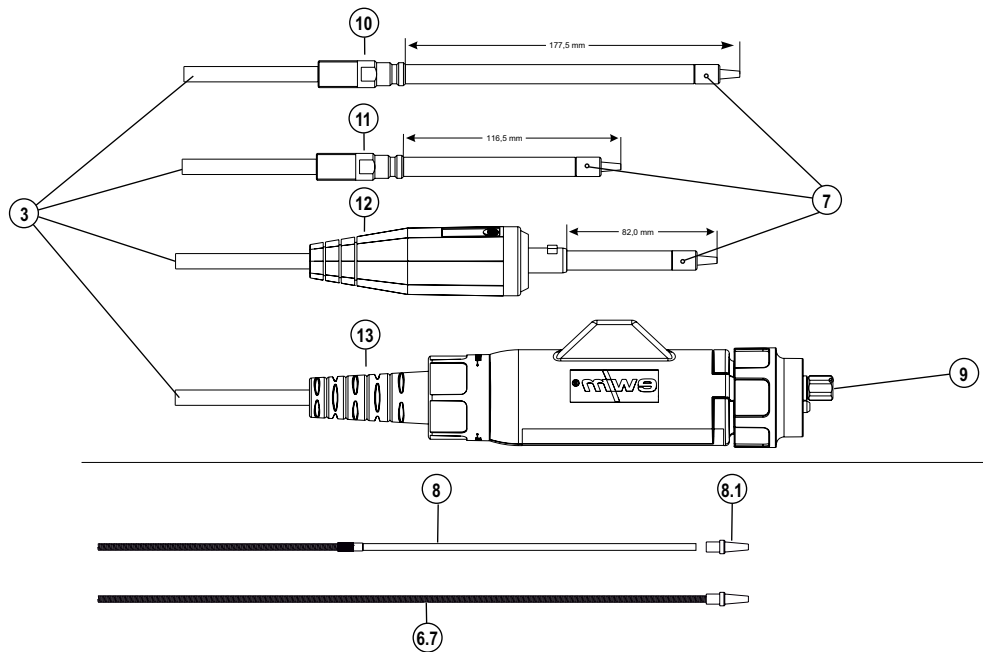
Position in item no.	Code	Designation
A	1	Hot wire
B	1	T drive 4 Rob.3
C	1	Stainless steel design
DD	15	1.5 metres

094-020614 - **1 1 1 15** End number

Wire feed lengths currently available: 1.5 m, 3 m, 4 m = DD 15, 30, 40

- ▶ Other lengths available on request.
- ▶ Can be used in virtually all standard TIG automated welding torches.

■ Cold wire feeds



Wire feed for automated cold wire applications (TIG/plasma)

- Wire guide individually adjustable for each process
- Compatible with EWM cold wire support
- The wire feed can be shortened to the required length.

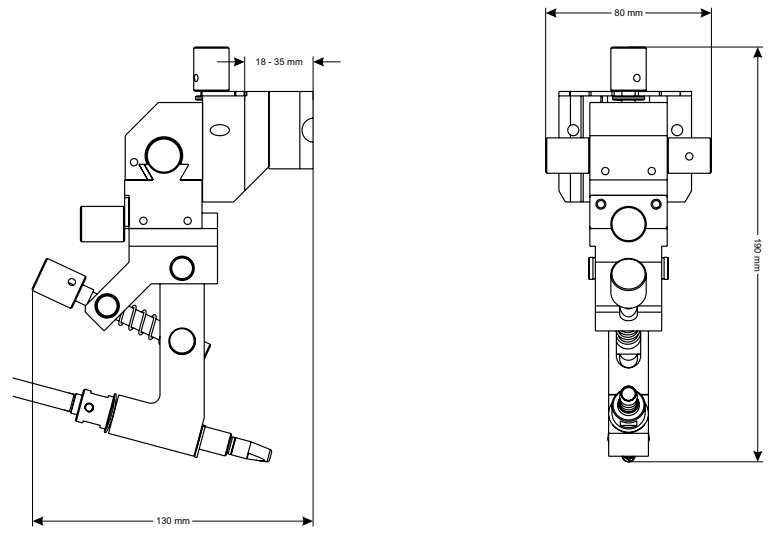
► Equipment parts, such as liners and inlet guides, are not part of the scope of delivery and must be ordered based on the specific application!
Order the right wire feed for the wire feeder used!

Item	Connection	Designation	Length	Item no.	PG	Price Per unit
10	Quick Connect L	Cold wire feed, for T drive 4 Rob 2	4 m	094-020613-00000	A1	74,70 €
11	Quick Connect S	Cold wire feed, for T drive 4 Rob 3		094-020613-00001	A1	74,70 €
12	Dinse connector	Cold wire feed, for tigSpeed		094-020613-00002	A1	117,00 €
13	EZA	Cold wire feed, Euro torch connector		094-020613-00003	A1	74,20 €

■ Consumables

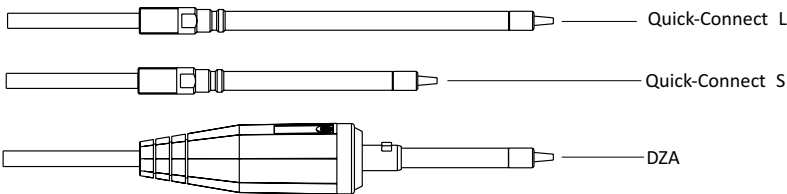
Item	Designation	Wire Ø	Inside Ø	Outside Ø	Length	Material	Price unit	Packing unit	Item no.	PG	Price
		mm	mm	mm							mm
3	Wire hose	-	-	-	50	-	per m	1	094-017104-00000	B2	2,50 €
6.7	Steel liner	-	1.5	3.3	3.5	Steel	Per unit	1	092-018695-00003	B2	21,90 €
6.7	Steel liner	-	1.5	3.3	4.5	Steel		1	092-018695-00004	B2	25,30 €
6.7	Steel liner	-	2	4	3.5	Steel		1	092-018693-00003	B2	11,60 €
6.7	Steel liner	-	2	4	4.5	Steel		1	092-018693-00004	B2	12,70 €
6.7	Steel liner, stainless steel	-	1.5	3.3	3.5	CrNi		1	092-018696-00003	B2	33,00 €
6.7	Steel liner, stainless steel	-	1.5	3.3	4.5	CrNi		1	092-018696-00004	B2	39,60 €
6.7	Steel liner, stainless steel	-	2	4	3.5	CrNi		1	092-018694-00003	B2	18,00 €
6.7	Steel liner, stainless steel	-	2	4	4.5	CrNi		1	092-018694-00004	B2	20,10 €
6.7	Steel liner, brass	-	2	4	3.5	Brass		1	092-018697-00003	B2	25,90 €
6.7	Steel liner, brass	-	2	4	4.5	Brass		1	092-018697-00004	B2	29,40 €
7	Crown nut	-	-	-	-	-		10	094-015563-00001	-	NF
8	Combined liner, PA	1.2-1.6	2	4	3.5	PA		1	092-018706-00003	B2	33,60 €
8	Combined liner, PA	1.2-1.6	2	4	4.5	PA		1	092-018706-00004	B2	35,70 €
8	Combined liner, teflon	0.8-1.2	1.5	4	3	Teflon		1	094-013800-00000	B2	21,65 €
8	Combined liner, teflon	0.8-1.2	1.5	4	4	Teflon	1	094-013800-00004	B2	25,10 €	
8	Combined liner, teflon	0.8-1.2	1.5	4	5	Teflon	1	094-013800-00005	B2	28,60 €	
8	Carbon teflon liner	1-1.2	2	4	3	Teflon	1	094-013801-00000	B2	21,85 €	
8	Combined liner, teflon	1-1.2	2	4	4	Teflon	1	094-013801-00004	B2	24,30 €	
8	Combined liner, carbon teflon	0.8-1.2	1.5	4	3	Carbon teflon	1	094-013871-00000	B2	21,65 €	
8	Combined liner, carbon teflon	0.8-1.2	1.5	4	4	Carbon teflon	1	094-013871-00004	B2	25,20 €	
8	Combined liner, carbon teflon	1.2-1.6	2	4	3	Carbon teflon	1	094-013828-00000	B2	21,85 €	
8	Combined liner, carbon teflon	1.2-1.6	2	4	4	Carbon teflon	1	094-013828-00004	B2	24,30 €	
8.1	Inlet guide, liner	-	-	-	-	-	2	094-014032-00001	B2	5,10 €	
9	Hexagonal nut	-	-	-	-	-	10	094-001080-00000	E5	1,45 €	

CQ SUPPORT



XYZ axes and adjustment angle infinitely lockable and adjustable

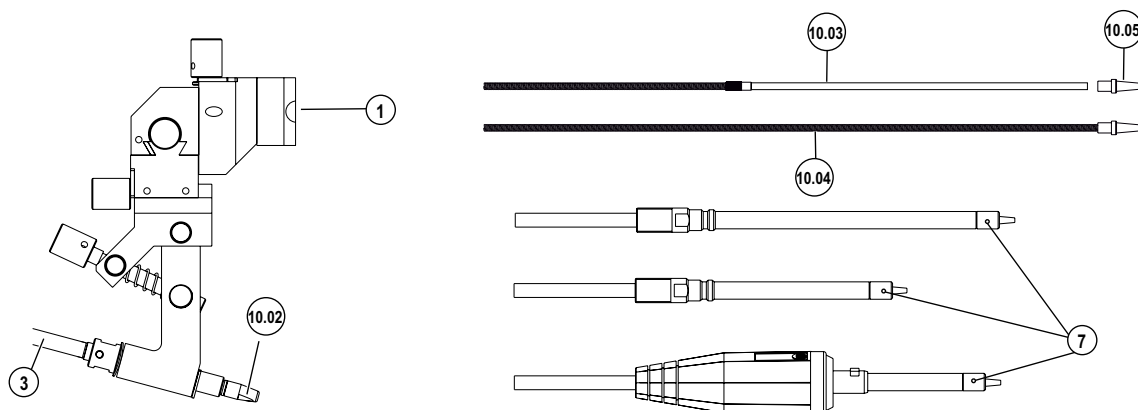
- Insulated design (HF-safe)
- Suitable for TIG-MT automated welding torches
- Clamping range from 18 mm to 35 mm
- Wire feed for automated cold wire applications (TIG/plasma)
- Adjustable on four axes:
- Up/down
- Forwards/backwards
- Left/right
- Angle
- Equipment ex works: Wire Ø: 1 mm



Type	Designation	Item no.	PG	Price
AWS CW 1,5 m DZA		094-020614-02015	A1	860.00 €
AWS CW 3,0 m DZA		094-020614-02030	A1	876.00 €
AWS CW 4,0 m DZA		094-020614-02040	A1	881.00 €
AWS CW 1,5 m DZA Alu	4 axes support, cold wire, insulated setup, for Tetrax drive 4L/tigSpeed drive 45	094-020614-02215	A1	860.00 €
AWS CW 3,0 m DZA Alu		094-020614-02230	A1	876.00 €
AWS CW 4,0 m DZA Alu		094-020614-02240	A1	881.00 €
AWS CW 1,5 m DZA CrNi		094-020614-02115	A1	860.00 €
AWS CW 3,0 m DZA CrNi		094-020614-02130	A1	876.00 €
AWS CW 4,0 m DZA CrNi		094-020614-02140	A1	881.00 €
AWS CW 1,5 m Quick-Connect L		094-020614-00015	A1	863.00 €
AWS CW 3,0 m Quick-Connect L		094-020614-00030	A1	874.00 €
AWS CW 4,0 m Quick-Connect L		094-020614-00040	A1	880.00 €
AWS CW 1,5 m Quick-Connect L Alu	4 axes support, cold wire, insulated setup, for T drive 4 Rob.2	094-020614-00215	A1	860.00 €
AWS CW 3,0 m Quick-Connect L Alu		094-020614-00230	A1	876.00 €
AWS CW 4,0 m Quick-Connect L Alu		094-020614-00240	A1	881.00 €
AWS CW 1,5 m Quick-Connect L CrNi		094-020614-00115	A1	863.00 €
AWS CW 3,0 m Quick-Connect L CrNi		094-020614-00130	A1	876.00 €
AWS CW 4,0 m Quick-Connect L CrNi		094-020614-00140	A1	881.00 €
AWS CW 1,5 m Quick-Connect S		094-020614-01015	A1	860.00 €
AWS CW 3,0 m Quick-Connect S		094-020614-01030	A1	876.00 €
AWS CW 4,0 m Quick-Connect S		094-020614-01040	A1	881.00 €
AWS CW 1,5 m Quick-Connect S Alu	4 axes support, cold wire, insulated setup, for T drive 4 Rob.3	094-020614-01215	A1	860.00 €
AWS CW 3,0 m Quick-Connect S Alu		094-020614-01230	A1	876.00 €
AWS CW 4,0 m Quick-Connect S Alu		094-020614-01240	A1	881.00 €
AWS CW 1,5 m Quick-Connect S CrNi		094-020614-01115	A1	860.00 €
AWS CW 3,0 m Quick-Connect S CrNi		094-020614-01130	A1	876.00 €
AWS CW 4,0 m Quick-Connect S CrNi		094-020614-01140	A1	881.00 €

► Order the right wire feed for the wire feeder used!

Consumables

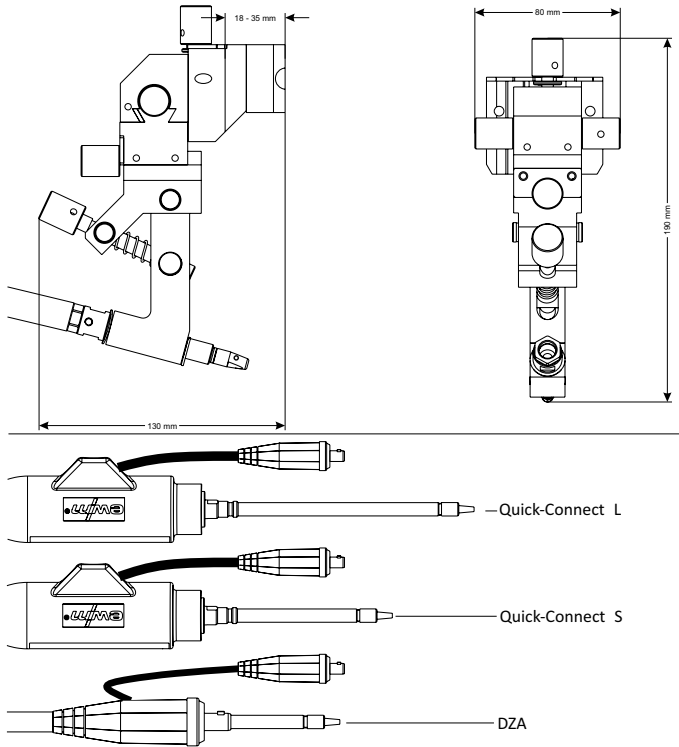


Item	Designation	Wire Ø mm	Thread	Length	Material	PU	Item no.	PG	PE	Price
1	4 axes support, insulated setup	-	-	-	-	1 Unit	092-007868-00000	A1	Per unit	767.00 €
3	Wire hose	-	-	1 m	-	50 m	094-017104-00000	B2	per m	2.50 €
7	Crown nut	-	-	-	-	10 Units	094-015563-00002	B2	Per unit	2.18 €
10.02	Contact nozzle	0.8	M7	30 mm	CuCrZr	10 Units	094-013535-00001	B3	Per unit	1.87 €
10.02	Contact nozzle	0.9	M7	30 mm	CuCrZr	10 Units	094-013536-00001	B3	Per unit	1.83 €
10.02	Contact nozzle	1	M7	30 mm	CuCrZr	10 Units	094-013537-00001	B3	Per unit	1.51 €
10.02	Contact nozzle	1.2	M7	30 mm	CuCrZr	10 Units	094-013538-00001	B3	Per unit	1.92 €
10.02	Contact tip, aluminium welding	0.8	M7	30 mm	E-Cu	10 Units	094-013550-00001	B3	Per unit	1.75 €
10.02	Contact tip, aluminium welding	0.9	M7	30 mm	E-Cu	10 Units	094-013551-00001	B3	Per unit	1.75 €
10.02	Contact tip, aluminium welding	1	M7	30 mm	E-Cu	10 Units	094-013552-00001	B3	Per unit	1.78 €
10.02	Contact tip, aluminium welding	1.2	M7	30 mm	E-Cu	10 Units	094-013553-00001	B3	Per unit	2.10 €

Plastic liners

Item	Designation	Wire Ø	Inside Ø	Outside Ø	Length	Material	PU	Item no.	PG	Price
		mm					mm			
10.03	Combined liner, PA	1.2 - 1.6	2	4	3.5	Polyamid	1	092-018706-00003	B2	33.60 €
10.03	Combined liner, PA	1.2 - 1.6	2	4	4.5	PA	1	092-018706-00004	B2	35.70 €
10.03	Combined liner, Teflon	0.6 - 1	1.5	4	3	Teflon	1	094-013800-00000	B2	21.65 €
10.03	Combined liner, Teflon	0.6 - 1	1.5	4	4	Teflon	1	094-013800-00004	B2	25.10 €
10.03	Combined liner, Teflon	0.6 - 1	1.5	4	5	Teflon	1	094-013800-00005	B2	28.60 €
10.03	Combined liner, Teflon	1.2 - 1.6	2	4	3	Teflon	1	094-013801-00000	B2	21.85 €
10.03	Combined liner, Teflon	1.2 - 1.6	2	4	4	Teflon	1	094-013801-00004	B2	24.30 €
10.03	Combined liner, carbon Teflon	0.6 - 1	1.5	4	3	Carbon Teflon	1	094-013871-00000	B2	21.65 €
10.03	Combined liner, carbon Teflon	0.6 - 1	1.5	4	4	Carbon Teflon	1	094-013871-00004	B2	25.20 €
10.03	Combined liner, carbon Teflon	1.2 - 1.6	2	4	3	Carbon Teflon	1	094-013828-00000	B2	21.85 €
10.03	Combined liner, carbon Teflon	1.2 - 1.6	2	4	4	Carbon Teflon	1	094-013828-00004	B2	24.30 €
10.04	Steel liner	0.6 - 1	1.5	3.3	3.5	Steel	1	092-018695-00003	B2	21.90 €
10.04	Steel liner	0.6 - 1	1.5	3.3	4.5	Steel	1	092-018695-00004	B2	25.30 €
10.04	Steel liner	1.2 - 1.6	2	4	3.5	Steel	1	092-018693-00003	B2	11.60 €
10.04	Steel liner	1.2 - 1.6	2	4	4.5	Steel	1	092-018693-00004	B2	12.70 €
10.04	Steel liner, stainless steel	0.6 - 1	1.5	3.3	3.5	CrNi	1	092-018696-00003	B2	33.00 €
10.04	Steel liner, stainless steel	0.6 - 1	1.5	3.3	4.5	CrNi	1	092-018696-00004	B2	39.60 €
10.04	Steel liner, stainless steel	1.2 - 1.6	2	4	3.5	CrNi	1	092-018694-00003	B2	18.00 €
10.04	Steel liner, stainless steel	1.2 - 1.6	2	4	4.5	CrNi	1	092-018694-00004	B2	20.10 €
10.04	Steel liner, brass	1.2 - 1.6	2	4	3.5	Brass	1	092-018697-00003	B2	25.90 €
10.04	Steel liner, brass	1.2 - 1.6	2	4	4.5	Brass	1	092-018697-00004	B2	29.40 €
10.05	Inlet guide for plastic liners	-	-	4	-	-	2	094-014032-00001	B2	5.10 €

HW SUPPORT



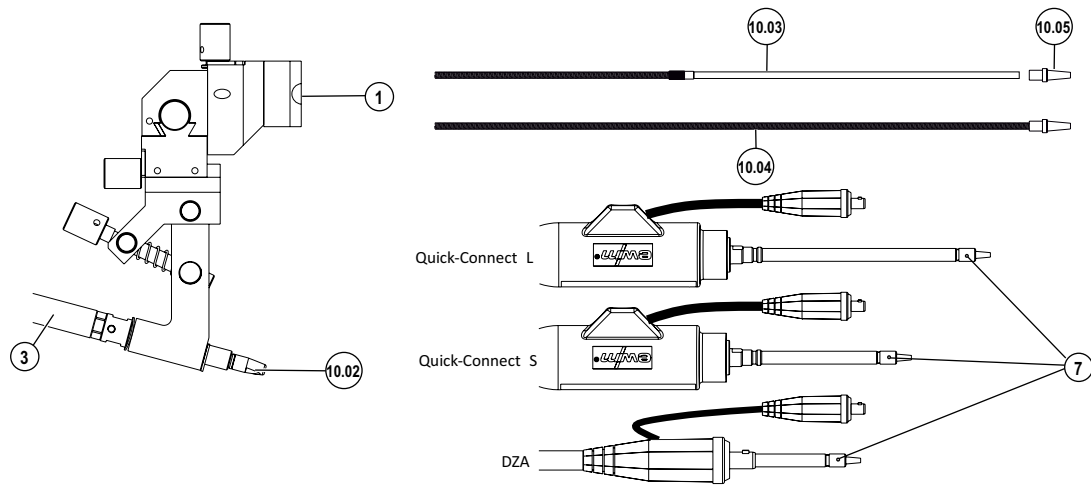
Wire feed for automated hot wire applications (TIG/plasma)

- XYZ axes and adjustment angle infinitely lockable and adjustable
- Insulated design (HF safe)
- Rapid, straightforward assembly
- May be used with virtually all common TIG automated welding torches.
- XYZ axes and adjustment angle infinitely lockable and adjustable
- Insulated design (HF-safe)
- Suitable for TIG-MT automated welding torches
- Clamping range from 18 mm to 35 mm
- Wire feed for automated hot wire applications (TIG/plasma)
- Adjustable on four axes:
- Up/down
- Forwards/backwards
- Left/right
- Angle

Type	Designation	Item no.	PG	Price
AWS HW 1,5 m DZA		094-020614-12015	A1	1,035.00 €
AWS HW 3,0 m DZA		094-020614-12030	A1	1,045.00 €
AWS HW 4,0 m DZA		094-020614-12040	A1	1,056.00 €
AWS HW 1,5 m DZA Alu	4 axes support, hot wire, insulated setup, for Tetrix drive 4L/tigSpeed drive 45	094-020614-12215	A1	1,035.00 €
AWS HW 3,0 m DZA Alu		094-020614-12230	A1	1,045.00 €
AWS HW 4,0 m DZA Alu		094-020614-12240	A1	1,056.00 €
AWS HW 1,5 m DZA CrNi		094-020614-12115	A1	1,035.00 €
AWS HW 3,0 m DZA CrNi		094-020614-12130	A1	1,045.00 €
AWS HW 4,0 m DZA CrNi		094-020614-12140	A1	1,056.00 €
AWS HW 1,5 m Quick-Connect L		094-020614-10015	A1	1,035.00 €
AWS HW 3,0 m Quick-Connect L		094-020614-10030	A1	1,045.00 €
AWS HW 4,0 m Quick-Connect L		094-020614-10040	A1	1,056.00 €
AWS HW 1,5 m Quick-Connect L Alu	4 axes support, hot wire, insulated setup, for T drive 4 Rob.2	094-020614-10215	A1	1,035.00 €
AWS HW 3,0 m Quick-Connect L Alu		094-020614-10230	A1	1,045.00 €
AWS HW 4,0 m Quick-Connect L Alu		094-020614-10240	A1	1,056.00 €
AWS HW 1,5 m Quick-Connect L CrNi		094-020614-10115	A1	1,035.00 €
AWS HW 3,0 m Quick-Connect L CrNi		094-020614-10130	A1	1,045.00 €
AWS HW 4,0 m Quick-Connect L CrNi		094-020614-10140	A1	1,056.00 €
AWS HW 1,5 m Quick-Connect S		094-020614-11015	A1	1,035.00 €
AWS HW 3,0 m Quick-Connect S		094-020614-11030	A1	1,045.00 €
AWS HW 4,0 m Quick-Connect S		094-020614-11040	A1	1,056.00 €
AWS HW 1,5 m Quick-Connect S Alu	4 axes support, hot wire, insulated setup, for T drive 4 Rob.3	094-020614-11215	A1	1,035.00 €
AWS HW 3,0 m Quick-Connect S Alu		094-020614-11230	A1	1,045.00 €
AWS HW 4,0 m Quick-Connect S Alu		094-020614-11240	A1	1,056.00 €
AWS HW 1,5 m Quick-Connect S CrNi		094-020614-11115	A1	1,035.00 €
AWS HW 3,0 m Quick-Connect S CrNi		094-020614-11130	A1	1,045.00 €
AWS HW 4,0 m Quick-Connect S CrNi		094-020614-11140	A1	1,056.00 €

► Order the right wire feed for the wire feeder used!

Consumables



► Order the right wire feed for the wire feeder used!

Item	Designation	Wire Ø mm	Thread	Length	Material	PU	Item no.	PG	Price Per unit
1	4 axes support, insulated setup	-	-	-	-	1 Unit	092-007868-00000	A1	767.00 €
3	Coaxial cable	-	-	1.5 m	-	1 Unit	094-016625-00015	B2	41.10 €
3	Coaxial cable	-	-	3 m	-	1 Unit	094-016625-00000	B2	50.10 €
3	Coaxial cable	-	-	4 m	-	1 Unit	094-016625-00004	B2	64.00 €
7	Crown nut	-	-	-	-	10 Units	094-015563-00002	B2	2.18 €
10.02	Contact nozzle	0.8	M7	30 mm	CuCrZr	10 Units	094-013535-00001	B3	1.87 €
10.02	Contact nozzle	0.9	M7	30 mm	CuCrZr	10 Units	094-013536-00001	B3	1.83 €
10.02	Contact nozzle	1	M7	30 mm	CuCrZr	10 Units	094-013537-00001	B3	1.51 €
10.02	Contact nozzle	1.2	M7	30 mm	CuCrZr	10 Units	094-013538-00001	B3	1.92 €
10.02	Contact tip, aluminium welding	0.8	M7	30 mm	E-Cu	10 Units	094-013550-00001	B3	1.75 €
10.02	Contact tip, aluminium welding	0.9	M7	30 mm	E-Cu	10 Units	094-013551-00001	B3	1.75 €
10.02	Contact tip, aluminium welding	1	M7	30 mm	E-Cu	10 Units	094-013552-00001	B3	1.78 €
10.02	Contact tip, aluminium welding	1.2	M7	30 mm	E-Cu	10 Units	094-013553-00001	B3	2.10 €
-	Heat protection hose	-	-	-	-	1 Unit	094-021163-00000		on request

Plastic liners

Item	Designation	Wire Ø	Inside Ø	Outside Ø	Length	Material	PU	Item no.	PG	Price
		mm	mm	mm						
10.03	Combined liner, PA	1.2 - 1.6	2	4	3.5	Polyamid	1	092-018706-00003	B2	33.60 €
10.03	Combined liner, PA	1.2 - 1.6	2	4	4.5	PA	1	092-018706-00004	B2	35.70 €
10.03	Combined liner, Teflon	0.6 - 1	1.5	4	3	Teflon	1	094-013800-00000	B2	21.65 €
10.03	Combined liner, Teflon	0.6 - 1	1.5	4	4	Teflon	1	094-013800-00004	B2	25.10 €
10.03	Combined liner, Teflon	0.6 - 1	1.5	4	5	Teflon	1	094-013800-00005	B2	28.60 €
10.03	Combined liner, Teflon	1.2 - 1.6	2	4	3	Teflon	1	094-013801-00000	B2	21.85 €
10.03	Combined liner, Teflon	1.2 - 1.6	2	4	4	Teflon	1	094-013801-00004	B2	24.30 €
10.03	Combined liner, carbon Teflon	0.6 - 1	1.5	4	3	Carbon Teflon	1	094-013871-00000	B2	21.65 €
10.03	Combined liner, carbon Teflon	0.6 - 1	1.5	4	4	Carbon Teflon	1	094-013871-00004	B2	25.20 €
10.03	Combined liner, carbon Teflon	1.2 - 1.6	2	4	3	Carbon Teflon	1	094-013828-00000	B2	21.85 €
10.03	Combined liner, carbon Teflon	1.2 - 1.6	2	4	4	Carbon Teflon	1	094-013828-00004	B2	24.30 €
10.04	Steel liner	0.6 - 1	1.5	3.3	3.5	Steel	1	092-018695-00003	B2	21.90 €
10.04	Steel liner	0.6 - 1	1.5	3.3	4.5	Steel	1	092-018695-00004	B2	25.30 €
10.04	Steel liner	1.2 - 1.6	2	4	3.5	Steel	1	092-018693-00003	B2	11.60 €
10.04	Steel liner	1.2 - 1.6	2	4	4.5	Steel	1	092-018693-00004	B2	12.70 €
10.04	Steel liner, stainless steel	0.6 - 1	1.5	3.3	3.5	CrNi	1	092-018696-00003	B2	33.00 €
10.04	Steel liner, stainless steel	0.6 - 1	1.5	3.3	4.5	CrNi	1	092-018696-00004	B2	39.60 €
10.04	Steel liner, stainless steel	1.2 - 1.6	2	4	3.5	CrNi	1	092-018694-00003	B2	18.00 €
10.04	Steel liner, stainless steel	1.2 - 1.6	2	4	4.5	CrNi	1	092-018694-00004	B2	20.10 €
10.04	Steel liner, brass	1.2 - 1.6	2	4	3.5	Brass	1	092-018697-00003	B2	25.90 €
10.04	Steel liner, brass	1.2 - 1.6	2	4	4.5	Brass	1	092-018697-00004	B2	29.40 €
10.05	Inlet guide for plastic liners	-	-	4	-	-	2	094-014032-00001	B2	5.10 €

TIG welding torch replaceable parts

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Gas nozzles - TIG series

GN TIG 150/260 S



- Ceramic gas nozzles
- For TIG 150/260 torch types

Length		26 mm					
Material		Ceramic					
Designation	Nozzle Ø mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle	6.5	10	4.0	Per unit	094-012672-00000	E4	2.03 €
	8.0		6.0		094-012405-00000	E4	2.03 €
	9.5		8.0		094-011756-00000	E4	2.03 €
	11.5		10.0		094-011980-00000	E4	2.03 €
	6.5	1	4.0	Per packing unit	094-012672-90005	E4	12.20 €
	8.0		6.0		094-012405-90005	E4	12.20 €
	9.5		8.0		094-011756-90005	E4	12.20 €
	11.5		10.0		094-011980-90005	E4	12.20 €

GN TIG 150/260



- Ceramic gas nozzles
- For TIG 150/260 torch types

Length		36 mm					
Material		Ceramic					
Version		For TIG 150/260 torch types					
Designation	Nozzle Ø mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle	6.5	10	6.0	Per unit	094-012673-00000	E4	2.40 €
	8.0		7.0		094-012674-00000	E4	2.40 €
	10.0		8.0		094-011982-00000	E4	2.40 €
	11.5		10.0		094-011757-00000	E4	2.40 €
	6.5	1	6.0	Per packing unit	094-012673-90005	E4	14.00 €
	8.0		7.0		094-012674-90005	E4	14.00 €
	10.0		8.0		094-011982-90005	E4	14.00 €
	11.5		10.0		094-011757-90005	E4	14.00 €

GN TIG 150/260 L



Length		60 mm					
Material		Ceramic					
Version		For TIG 150/260 torch types					
Designation	Nozzle Ø mm	PU Units	Item no.	PG	Price Per unit		
Gas nozzle	6.5	10	094-015451-00000	E4	5.92 €		
	8.0		398-000191-00000	E4	5.92 €		

GN TIG 150/260 SP



Length	32 mm
Material	Ceramic
Version	For TIG 150/260 torch types

Designation	Nozzle Ø mm	PU Units	Item no.	PG	Price Per unit
Gas nozzle, ball-shape design	6.5	10	094-019610-00000	E4	2.03 €
	8.0		394-000156-00000	E4	2.03 €
	9.5		394-000155-00000	E4	2.03 €
	11.0		094-019609-00000	E4	2.03 €

GN TIG 200/450 S



- Ceramic gas nozzles
- For TIG 200/450 torch types

Length	26 mm
Material	Ceramic
Version	For TIG 200/450 torch types

Designation	Nozzle Ø mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle for gas diffuser	10.0	10	4.0	Per unit	094-009655-00000	E4	2.41 €
	13.0		6.0		094-009656-00000	E4	2.41 €
	10.0	1	4.0	Per packing unit	094-009655-90005	E4	13.90 €
	13.0		6.0		094-009656-90005	E4	13.90 €

GN TIG 200/450



- Ceramic gas nozzles
- For TIG 200/450 torch types

Material	Ceramic
Version	For TIG 200/450 torch types

Designation	Nozzle Ø mm	Length mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle	7.5	37	10	5.0	Per unit	094-009646-00000	E4	2.20 €
	10.0			6.0		094-009647-00000	E4	2.20 €
	13.0			8.0		094-009648-00000	E4	2.20 €
	15.0			10.0		094-009649-00000	E4	2.20 €
Gas nozzle, reinforced	13.0	37	10	8.0	Per unit	094-011997-00000	E4	2.33 €
	15.0			12.0		094-011998-00000	E4	2.33 €
Gas nozzle	7.5	38.4	1	5.0	Per packing unit	094-009646-90005	E4	12.90 €
	10.0			6.0		094-009647-90005	E4	12.90 €
	13.0			8.0		094-009648-90005	E4	12.90 €
	15.0			10.0		094-009649-90005	E4	12.90 €
Gas nozzle, reinforced	13.0	38.4	1	8.0	Per packing unit	094-011997-90005	E4	13.50 €
	15.0			12.0		094-011998-90005	E4	13.50 €

Gas nozzles - TIG series

GN TIG 200/450 L



- Extended gas nozzle for hard-to-reach spots
- For TIG 200/450 torch types

Length	52 mm
Material	Ceramic
Version	For TIG 200/450 torch types

Designation	Nozzle Ø mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle	7.5	10	5.0	Per unit	094-009650-00000	E4	2.60 €
	10.0		6.0		094-009651-00000	E4	2.60 €
	13.0		8.0		094-009653-00000	E4	2.60 €
	15.0		10.0		094-009654-00000	E4	2.60 €
	7.5	1	5.0	Per packing unit	094-009650-90005	E4	15.20 €
	10.0		6.0		094-009651-90005	E4	15.20 €
	13.0		8.0		094-009653-90005	E4	15.20 €
	15.0		10.0		094-009654-90005	E4	15.20 €

GNDIF TIG 150/200/260/450



- Gas nozzles fitting the collet body with gas diffuser
- For TIG 150/200/260/450 torch types

Length	50 mm
Material	Ceramic
Version	For TIG 150/200/260/450 torch types

Designation	Nozzle Ø mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle for gas diffuser, JUMBO	12.5	10	12.0	Per unit	094-009663-00000	E4	2.89 €
	16.0		16.0		094-009664-00000	E4	2.89 €
	19.5		20.0		094-009665-00000	E4	2.89 €
	12.5	2	12.0	Per packing unit	094-009663-90002	E4	7.40 €
	16.0		16.0		094-009664-90002	E4	7.40 €
	19.5		20.0		094-009665-90002	E4	7.40 €

GN TIG 150/200/260/450



Length	34 mm
Size	24
Nozzle Ø	24 mm
Material	Ceramic

Designation	PU Units	Item no.	PG	Price Per unit
Gas nozzle for gas diffuser, JUMBO	10	094-011999-00000	E4	2.89 €

Gas nozzles - TIG-SR series

GN TIG-SR 9/20



- Standard gas nozzle for welding steel and aluminium
- For SR 9 and SR 20 torch types

Length	30 mm
Material	Ceramic
Version	For SR 9/20 torch types

Designation	Nozzle Ø mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle	6.5	10	4.0	Per unit	094-001343-00000	E4	1.03 €
	8.0		5.0		094-001344-00000	E4	1.03 €
	9.5		6.0		094-001345-00000	E4	1.03 €
	11.0		7.0		094-000930-00000	E4	1.03 €
	12.5		8.0		094-001122-00000	E4	1.03 €
	16.0	10.0	094-001346-00000	E4	1.03 €		
	6.5	1	4.0	Per packing unit	094-001343-90005	E4	7.00 €
	8.0		5.0		094-001344-90005	E4	7.00 €
	9.5		6.0		094-001345-90005	E4	7.00 €
	11.0		7.0		094-000930-90005	E4	7.00 €
12.5	8.0		094-001122-90005		E4	7.00 €	
16.0	10.0	094-001346-90005	E4	7.00 €			

GN TIG-SR 9/20 L



- Extended gas nozzle for hard-to-reach spots
- For SR 9 and SR 20 torch types

Length	48 mm
Material	Ceramic
Version	For SR 9/20 torch types

Designation	Nozzle Ø mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle	6.5	10	4.0	Per unit	094-001347-00000	E4	2.03 €
	8.0		5.0		094-001348-00000	E4	2.03 €
	9.5		6.0		094-001349-00000	E4	2.03 €
	6.5	2	4.0	Per packing unit	094-001347-90002	E4	5.65 €
	8.0		5.0		094-001348-90002	E4	5.65 €
	9.5		6.0		094-001349-90002	E4	5.65 €

GN TIG-SR 9/20 XL



- Extended gas nozzle for hard-to-reach spots
- For SR 9 and SR 20 torch types

Material	Ceramic
Version	For SR 9/20 torch types

Designation	Nozzle Ø mm	Length mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle	6.5	63	10	4.0	Per unit	094-012683-00000	E4	2.03 €
	8.0			5.0		094-012684-00000	E4	2.03 €
	6.5			89		4.0	094-012685-00000	E4
	8.0	63	2	5.0	Per packing unit	094-012683-90002	E4	5.65 €
	6.5	89				4.0	094-012684-90002	E4

Gas nozzles - TIG-SR series

GNDIF TIG-SR 9/20



- Gas nozzle fitting the collet body with gas diffusor
- Suitable for all materials
- Excellent welding results with CrNi steels
- For SR 9 and SR 20 torch types

Length	25.5 mm
Material	Ceramic
Version	For SR 9/20 torch types

Designation	Nozzle Ø mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle for gas lens	6.5	10	4.0	Per unit	094-001356-00000	E4	1.11 €
	8.0		5.0		094-001357-00000	E4	1.11 €
	9.5		6.0		094-001358-00000	E4	1.11 €
	11.0		7.0		094-001359-00000	E4	1.11 €
	12.5		8.0		094-017595-00000	E4	1.11 €
	6.5	1	4.0	Per packing unit	094-001356-90005	E4	7.40 €
	8.0		5.0		094-001357-90005	E4	7.40 €
	11.0		7.0		094-001359-90005	E4	7.40 €
	12.5		6.0		094-017595-90005	E4	7.20 €

GN GD TIG-SR 17/18/26



- Standard gas nozzle for welding steel and aluminium
- For SR 17/18/26 torch types

Material	Ceramic
Version	For SR 17/18/26 torch types

Designation	Nozzle Ø mm	Length mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle	6.5	47	10	4.0	Per unit	094-001316-00000	E4	1.03 €
	8.0			5.0		094-000926-00000	E4	1.03 €
	9.5			6.0		094-001317-00000	E4	1.03 €
	11.0			7.0		094-000927-00000	E4	1.03 €
	12.5			8.0		094-000929-00000	E4	1.03 €
	16.0	50	1	10.0	Per packing unit	094-001318-00000	E4	1.03 €
	19.5			12.0		094-001319-00000	E6	1.21 €
	6.5			4.0		094-001316-90005	E4	7.00 €
	11.0			7.0		094-000927-90005	E4	7.00 €
	12.5			8.0		094-000929-90005	E4	7.00 €
	9.5	47	1	6.0	Per packing unit	094-001317-90005	E4	7.00 €
	16.0			10.0		094-001318-90005	E4	7.00 €
	19.5			12.0		094-001319-90005	E6	7.60 €

GNTIG-SR 17/18/26



- Extended gas nozzle for hard-to-reach spots
- For SR 17/18/26 torch types

Length	76 mm
Material	Ceramic
Version	For SR 17/18/26 torch types

Designation	Nozzle Ø mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle	8.0	10	5.0	Per unit	094-012691-00000	E4	2.11 €
	9.5		6.0		094-012692-00000	E4	2.11 €
	11.0		7.0		094-012693-00000	E4	2.11 €
	8.0	2	5.0	Per packing unit	094-012691-90002	E4	5.67 €
	9.5		6.0		094-012692-90002	E4	5.67 €
	11.0		7.0		094-012693-90002	E4	5.67 €

GNDIF TIG-SR 17/18/26/18SC



- Gas nozzle fitting the collet body with gas diffusor
- Suitable for all materials
- Excellent welding results with CrNi steels
- For SR 17/18/26/18SC torch types

Length	42 mm
Material	Ceramic
Version	For SR 17/18/26/18SC torch types

Designation	Nozzle Ø mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle for gas lens	6.5	10	4.0	Per unit	094-001320-00000	E4	1.72 €
	8.0		5.0		094-001321-00000	E4	1.72 €
	9.5		6.0		094-001322-00000	E4	1.72 €
	11.0		7.0		094-001195-00000	E4	1.72 €
	12.5		8.0		094-001196-00000	E4	1.72 €
	19.5		12.0		094-001323-00000	E4	1.72 €
	6.5	2	4.0	Per packing unit	094-001320-90002	E4	4.90 €
	8.0		5.0		094-001321-90002	E4	4.90 €
	9.5		6.0		094-001322-90002	E4	4.90 €
	11.0		7.0		094-001195-90002	E4	4.90 €
	12.5		8.0		094-001196-90002	E4	4.90 €
	19.5		12.0		094-001323-90002	E4	4.90 €

GNDIF TIG-SR 17/18/26/18SC L



- Gas nozzle fitting the collet body with gas diffusor
- Extended gas nozzle for hard-to-reach spots
- For SR 17/18/26/18SC torch types

Length	76 mm
Material	Ceramic
Version	For SR 17/18/26/18SC torch types

Designation	Nozzle Ø mm	PU Units	Size	PE	Item no.	PG	Price
Gas nozzle for gas lens	8.0	10	5.0	Per unit	094-011135-00000	E4	2.83 €
	9.5		6.0		094-011136-00000	E4	2.83 €
	11.0		7.0		094-012694-00000	E4	2.83 €
	8.0	2	5.0	Per packing unit	094-011135-90002	E4	7.10 €
	9.5		6.0		094-011136-90002	E4	7.10 €
	11.0		7.0		094-012694-90002	E4	7.10 €

Electrode holder and gas diffuser - TIG series

COL TIG 150/260



- Electrode holder for various tungsten electrode diameters
- For TIG 150/260 torch types

Length	35 mm					
Material	Brass					
Version	For TIG 150/260 torch types					
Designation	Electrode Ø mm	PU Units	PE	Item no.	PG	Price
Electrode holders	1.0	5	Per unit	094-012665-00000	E4	6.82 €
	1.6			094-012406-00000	E4	6.82 €
	2.0			094-012666-00000	E4	6.82 €
	2.4			094-011755-00000	E4	6.82 €
	3.2			094-012667-00000	E4	6.82 €
	1.0	2	Per packing unit	094-012665-90002	E4	15.50 €
	1.6			094-012406-90002	E4	15.50 €
	2.0			094-012666-90002	E4	15.50 €
	2.4			094-011755-90002	E4	15.50 €
	3.2			094-012667-90002	E4	15.50 €

CDIF TIG 150/260



- Gas diffuser for various tungsten electrode diameters
- For TIG 150/260 torch types

Length	33 mm					
Material	Brass					
Version	For TIG 150/260 torch types					
Designation	Electrode Ø mm	PU Units	PE	Item no.	PG	Price
Gas diffuser	1.0	5	Per unit	094-012668-00000	E4	18.69 €
	1.6			094-012669-00000	E4	18.69 €
	2.0			094-012670-00000	E4	18.69 €
	2.4			094-011984-00000	E4	18.69 €
	3.2			094-012671-00000	E4	18.69 €
	1.0	2	Per packing unit	094-012668-90002	E4	39.40 €
	1.6			094-012669-90002	E4	39.40 €
	2.0			094-012670-90002	E4	39.40 €
	2.4			094-011984-90002	E4	39.40 €
	3.2			094-012671-90002	E4	39.40 €

CDIF TIG 150/260 Multilayer



- "Multilayer" gas diffuser for different tungsten electrode diameters
- Improves gas shielding and provides a laminar gas flow
- For TIG 150/260 torch types

Length	35.5 mm					
Version	For TIG 150/260 torch types					
Designation	Electrode Ø mm	PU Units	PE	Item no.	PG	Price Per unit
Gas diffuser, multi-layer	1.0	5		094-023030-00000	E4	21.34 €
	1.6			394-002357-00000	E4	21.34 €
	2.0			094-023032-00000	E4	21.34 €
	2.4			394-002038-00000	E4	21.34 €
	3.2			394-002358-00000	E4	21.34 €

COL TIG 200/450W/SC



- Electrode holder for various tungsten electrode diameters
- For TIG 200/450 torch types

Length	56 mm					
Material	Brass					
Version	For TIG 200/450 torch types					
Designation	Electrode Ø mm	PU Units	PE	Item no.	PG	Price
Electrode holders	1.6	5	Per unit	094-009634-00000	E4	7.81 €
	2.0			094-009635-00000	E4	7.81 €
	2.4			094-009636-00000	E4	7.81 €
	3.2			094-009637-00000	E4	7.81 €
	4.0			094-009638-00000	E4	7.81 €
	4.8	094-009639-00000	E4	7.81 €		
	1.6	2	Per packing unit	094-009634-90002	E4	17.10 €
	2.0			094-009635-90002	E4	17.10 €
	2.4			094-009636-90002	E4	17.10 €
	3.2			094-009637-90002	E4	17.10 €
4.0	094-009638-90002			E4	17.10 €	
4.8	094-009639-90002	E4	17.10 €			

CDIF TIG 200/450/SC



- Gas diffuser for various tungsten electrode diameters
- For TIG 200/450 torch types

Material	Brass						
Version	For TIG 200/450 torch types						
Designation	Electrode Ø mm	Length mm	PU Units	PE	Item no.	PG	Price
Gas diffuser	1.6	48	Per unit		094-009640-00000	E4	19.62 €
	2.0				094-009641-00000	E4	19.62 €
	2.4				094-009642-00000	E4	19.62 €
	3.2				094-009643-00000	E4	19.62 €
	4.0				094-009644-00000	E4	19.62 €
	4.8	094-009645-00000	E4	19.62 €			
	1.6	47	Per packing unit		094-009640-90002	E4	40.80 €
	2.0				094-009641-90002	E4	40.80 €
	2.4				094-009642-90002	E4	40.80 €
	3.2				094-009643-90002	E4	40.80 €
4.0	094-009644-90002				E4	40.80 €	
4.8	094-009645-90002	E4	40.80 €				

200/450/SC Multilayer



- "Multilayer" gas diffuser for different tungsten electrode diameters
- Improves gas shielding and provides a laminar gas flow
- For TIG 200/450 torch types

Length	51 mm					
Material	Brass					
Version	For TIG 200/450 torch types					
Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit	
Gas diffuser, multi-layer	1.6	5	094-023018-00000	E4	18.01 €	
	2.4		094-004969-00000	E4	18.01 €	
	3.2		094-006255-00000	E4	18.01 €	

Electrode holder and gas diffuser - TIG series

DIF TIG 150-450/450SC



- Gas diffuser for various tungsten electrode diameters
- For TIG 150-450 torch types
- In case of installation in the welding torches of the 150/260 types, the 094-011758-00000 adapter and the 094-011760-00000 insulator is absolutely required

Material		Brass			
Version		For TIG 150/200/260/450 torch types			
Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit
Gas diffuser, JUMBO	1.6	1	094-009658-00000	E4	43.72 €
	2.4		094-009659-00000	E4	43.72 €
	3.2		094-009660-00000	E4	43.72 €
	4.0		094-009661-00000	E4	43.72 €
	4.8		094-009662-00000	E4	43.72 €

DIF TIG 150-450/450SC Multilayer



- "Multilayer" gas diffuser for different tungsten electrode diameters
- Improves gas shielding and provides a laminar gas flow
- For TIG 150-450 torch types
- In case of installation in the welding torches of the 150/260 types, the 094-011758-00000 adapter and the 094-011760-00000 insulator is absolutely required

Version		For TIG 150/200/260/450 torch types			
Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit
Gas diffuser, multi-layer	1.6	1	094-023020-00000	E4	43.72 €
	2.4		094-022685-00000	E4	43.72 €
	3.2		094-023021-00000	E4	43.72 €
	4.0		094-023022-00000	E4	43.72 €

Collets and collet bodies - TIG-SR series

COL TIG-SR 9/20



- Collet for various tungsten electrode diameters
- For SR 9 and SR 20 torch types

Length	25.4 mm
Material	Copper
Version	For SR 9/20 torch types

Designation	Electrode Ø mm	PU Units	PE	Item no.	PG	Price
Collet	0.5	10	Per unit	094-001333-00000	E4	1.38 €
	1.0			094-001334-00000	E4	1.38 €
	1.2			094-001335-00000	E4	1.38 €
	1.6			094-001121-00000	E4	1.38 €
	2.0			094-001336-00000	E4	1.38 €
	2.4			094-000934-00000	E4	1.38 €
	0.5	1	Per packing unit	094-001333-90005	E4	8.80 €
	1.0			094-001334-90005	E4	8.80 €
	1.2			094-001335-90005	E4	8.80 €
	1.6			094-001121-90005	E4	8.80 €
	2.0			094-001336-90005	E4	8.80 €
	2.4			094-000934-90005	E4	8.75 €
	3.2			094-001337-90005	E4	8.80 €

COL TIG-SR 9/20



Length	25.5 mm
Version	For SR 9/20 torch types

Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit
Long-life collet	1.0	5	094-022702-00000	HW8	1.63 €
	1.6		094-022703-00000	HW8	1.63 €
	2.4		094-022705-00000	HW8	1.99 €
	3.2		094-022706-00000	HW8	2.26 €

COL JUMBO TIG-SR 9/20



- Collet for various tungsten electrode diameters
- For use with jumbo gas nozzles
- For SR 9 and SR 20 torch types

Length	40 mm
Material	Brass
Version	For SR 9/20 torch types

Designation	Electrode Ø mm	PU Units	PE	Item no.	PG	Price
Collet, JUMBO	0.5	10	Per unit	094-012675-00000	E5	4.50 €
	1.0			094-012676-00000	E5	4.50 €
	1.6			094-012677-00000	E5	4.50 €
	2.4			094-002971-00000	E5	4.50 €
	3.2			094-012678-00000	E5	4.50 €
	0.5			2	Per packing unit	094-012675-90002
	1.0	094-012676-90002	E5			10.10 €
	1.6	094-012677-90002	E5			10.10 €
	2.4	094-002971-90002	E5			10.10 €
	3.2	094-012678-90002	E5			10.10 €

Collets and collet bodies - TIG-SR series

COLB TIG-SR 9/20



- Collet body
- For SR 9 and SR 20 torch types

Material		Copper				
Version		For SR 9/20 torch types				
Designation	Electrode Ø mm	PU Units	PE	Item no.	PG	Price
Clamping sleeve housings	0.5 - 1	10	Per unit	094-001338-00000	E4	2.78 €
	1.2			094-001339-00000	E4	2.78 €
	1.6			094-001340-00000	E4	2.78 €
	2.0			094-001341-00000	E4	2.78 €
	2.4			094-000939-00000	E4	2.78 €
	3.2	094-001342-00000	E4	2.78 €		
	0.5 - 1	2	Per packing unit	094-001338-90002	E4	7.00 €
	1.2			094-001339-90002	E4	7.00 €
	1.6			094-001340-90002	E4	7.00 €
	2.0			094-001341-90002	E4	7.00 €
2.4	094-000939-90002			E4	7.00 €	
3.2	094-001342-90002	E4	7.00 €			

COLB DIF TIG-SR 9/20



- Collet casing with gas lens for various tungsten electrode diameters
- Improves gas shielding and provides a laminar gas flow
- Recommended to avoid discolouration when welding CrNi steels
- For SR 9 and SR 20 torch types

Material		Brass				
Version		For SR 9/20 torch types				
Designation	Electrode Ø mm	PU Units	PE	Item no.	PG	Price
Collet body with gas lens	0.5 - 1	10	Per unit	094-001350-00000	E4	8.23 €
	1.2			094-001351-00000	E4	8.23 €
	1.6			094-001352-00000	E4	8.23 €
	2.0			094-001353-00000	E4	8.23 €
	2.4			094-001354-00000	E4	8.23 €
	3.2	094-001355-00000	E4	8.23 €		
	0.5 - 1	2	Per packing unit	094-001350-90002	E4	17.90 €
	1.2			094-001351-90002	E4	17.90 €
	1.6			094-001352-90002	E4	17.90 €
	2.0			094-001353-90002	E4	17.90 €
2.4	094-001354-90002			E4	17.90 €	
3.2	094-001355-90002	E4	17.90 €			

COLB DIF JUMBO TIG-SR 9/20



- Collet body with extra-large gas lens for various tungsten electrode diameters
- Improves gas shielding and provides a laminar gas flow
- Specially developed for welding titanium alloys
- Impressively low discolouration when welding CrNi steels
- For SR 9 and SR 20 torch types

Material		Brass				
Version		For SR 9/20 torch types				
Designation	Electrode Ø mm	PU Units	PE	Item no.	PG	Price
Collet body with gas lens, JUMBO	0.5 - 1	5	Per unit	094-012679-00000	E6	18.05 €
	1.6			094-012680-00000	E6	18.05 €
	2.4			094-012681-00000	E6	18.05 €
	3.2			094-012682-00000	E6	18.05 €
	0.5 - 1	2	Per packing unit	094-012679-90002	E6	37.70 €
	1.6			094-012680-90002	E6	37.70 €
	2.4			094-012681-90002	E6	37.70 €
	3.2			094-012682-90002	E6	37.70 €

COL TIG 17/18/26



- Copper collet for various tungsten electrode diameters

Length		52 mm				
Version		For SR 17/18/26 torch types				
Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit	
Collet	1.6	10	094-003402-00000	E4	1.38 €	
	2.4		094-003241-00000	E4	1.38 €	
	3.2		094-003242-00000	E4	1.38 €	
	4.0		094-008583-00000	E4	1.38 €	

COL TIG-SR 17/18/26



Length		50 mm				
Version		For SR 17/18/26/18SC torch types				
Designation	Electrode Ø mm	PU Units	Version	Item no.	PG	Price Per unit
Long-life collet	1.0	5	For SR 17/18/26/18SC torch types	094-022725-00000	HW8	2.52 €
	1.6			094-022726-00000	HW8	2.52 €
	2.4			094-021663-00000	HW8	2.52 €
	3.2			094-022727-00000	HW8	2.52 €
	4.0		For SR 17/18/26 torch types	094-022728-00000	HW8	2.52 €

Collets and collet bodies - TIG-SR series

COL TIG-SR 17/18/26/18SC



- Copper collet for various tungsten electrode diameters

Length	50 mm
Material	Copper
Version	For SR 17/18/26/18SC torch types

Designation	Electrode Ø mm	PU Units	Version	PE	Item no.	PG	Price		
Collet	0.5	10	For SR 17/18/26/18SC torch types	Per unit	094-001308-00000	E4	1.38 €		
	1.0		094-001309-00000		E4	1.38 €			
	1.2		For SR 17/18/26 torch types		094-001310-00000	E4	1.38 €		
	1.6		For SR 17/18/26/18SC torch types		094-000931-00000	E4	1.38 €		
	2.0		For SR 17/18/26 torch types		094-001311-00000	E4	1.38 €		
	2.4		For SR 17/18/26/18SC torch types		094-000932-00000	E4	1.38 €		
	3.2		For SR 17/18/26 torch types		094-000935-00000	E4	1.38 €		
	4.0		For SR 17/18/26 torch types		094-001312-00000	E4	1.38 €		
	0.5		1		For SR 17/18/26/18SC torch types	Per packing unit	094-001308-90005	E4	8.80 €
	1.0				For SR 17/18/26 torch types		094-001309-90005	E4	8.80 €
	1.2	For SR 17/18/26 torch types		094-001310-90005	E4		8.80 €		
	1.6	For SR 17/18/26/18SC torch types		094-000931-90005	E4		8.75 €		
	2.0	For SR 17/18/26 torch types		094-001311-90005	E4		8.80 €		
	2.4	For SR 17/18/26/18SC torch types		094-000932-90005	E4		8.75 €		
	3.2		For SR 17/18/26 torch types		094-000935-90005	E4	8.75 €		
	4.0		For SR 17/18/26 torch types		094-001312-90005	E4	8.80 €		

COL HL TIG-SR 18SC



- Collet for various tungsten electrode diameters
- For high-performance torch TIG 18SC

Length	49 mm
Material	Copper
Version	For SR 18SC welding torch types

Designation	Electrode Ø mm	PU Units	PE	Item no.	PG	Price
Collet, high-performance	3.2	10	Per unit	094-001361-00000	E4	7.26 €
	4.0			094-001116-00000	E4	7.26 €
	4.8			094-001115-00000	E4	7.26 €
	3.2	2	Per packing unit	094-001361-90002	E4	16.10 €
	4.0			094-001116-90002	E4	16.10 €
	4.8			094-001115-90002	E4	16.10 €

COLB TIG-SR 17/18/26



- Collet body, copper
- For SR 17/18/26 torch types

Material		Copper				
Version		For SR 17/18/26 torch types				
Designation	Electrode Ø mm	PU Units	PE	Item no.	PG	Price
Clamping sleeve housings	0.5 - 1.2	10	Per unit	094-001314-00000	E6	2.78 €
	1.6			094-000936-00000	E4	2.78 €
	2 - 2.4			094-000937-00000	E4	2.78 €
	3.2			094-000940-00000	E4	2.78 €
	4.0	094-001315-00000	E4	2.78 €		
	0.5 - 1.2	2	Per packing unit	094-001314-90002	E6	7.00 €
	1.6			094-000936-90002	E4	7.00 €
	2 - 2.4			094-000937-90002	E4	7.00 €
	3.2			094-000940-90002	E4	7.00 €
	4.0	094-001315-90002	E4	7.00 €		

COLB DIF TIG-SR 17/18/26



- Collet body with gas lens for various tungsten electrode diameters
- Suitable for all materials
- Excellent welding results with CrNi steels
- For SR 17/18/26 torch types

Material		Brass				
Version		For SR 17/18/26 torch types				
Designation	Electrode Ø mm	PU Units	PE	Item no.	PG	Price
Collet body with gas lens	0.5 - 1.2	10	Per unit	094-001324-00000	E4	7.80 €
	1.6			094-001325-00000	E4	7.80 €
	2 - 2.4			094-001192-00000	E4	7.80 €
	3.2			094-001193-00000	E4	7.80 €
	4.0	094-001326-00000	E4	7.80 €		
	0.5 - 1.2	2	Per packing unit	094-001324-90002	E4	17.00 €
	1.6			094-001325-90002	E4	17.00 €
	2 - 2.4			094-001192-90002	E4	17.00 €
	3.2			094-001193-90002	E4	17.00 €
	4.0	094-001326-90002	E4	17.00 €		

COLB DIF JUMBO TIG-SR 17/18/26



- Collet body with extra-large gas lens for various tungsten electrode diameters
- Improves gas shielding and provides a laminar gas flow
- Specially developed for welding titanium alloys
- Impressively low discolouration when welding CrNi steels
- For SR 17/18/26 torch types

Material		Brass				
Version		For SR 17/18/26 torch types				
Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit	
Collet body with gas lens, JUMBO	1.6	5	094-003137-00010	E4	16.22 €	
	2.4		094-003137-00000	E4	16.22 €	
	3.2		094-000000-00000	E4	16.22 €	
	4.0		094-011641-00000	E4	16.22 €	

Collets and collet bodies - TIG-SR series

COLB TIG-SR 18SC



- Collet body, brass
- For high-performance torch TIG 18SC

Material		Brass				
Version		For TIG 18SC torch types				
Designation	Electrode Ø mm	PU Units	PE	Item no.	PG	Price
Clamping sleeve housings	0.5 - 3.2	10	Per unit	094-011137-00000	E4	9.20 €
	3.2 - 4.8			094-001117-00000	E4	9.20 €
	0.5 - 3.2	2	Per packing unit	094-011137-90002	E4	19.85 €
	3.2 - 4.8			094-001117-90002	E4	19.85 €

COLB DIF TIG-SR 18SC



- Collet body with gas lens for various tungsten electrode diameters
- For high-performance torch TIG 18SC

Material		Copper				
Version		For TIG 18SC torch types				
Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit	
Collet body with gas lens	0.5	10	094-012696-00000	E4	20.92 €	
	1.0		094-012697-00000	E4	20.92 €	
	1.6		094-012698-00000	E4	20.92 €	
	2.4		094-012699-00000	E4	20.92 €	
	3.2		094-001362-00000	E4	20.92 €	
	4.0		094-001363-00000	E4	20.92 €	
	4.8		094-001364-00000	E4	20.92 €	

COL comfyTig



Length		29.5 mm				
Material		Copper				
Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit	
Collet	1.0	10	094-019605-00000	E5	3.84 €	
	1.6		094-017284-00000	E6	3.84 €	
	2.0		094-019606-00000	E5	3.84 €	
	2.4		094-017285-00000	E6	3.84 €	
	3.2		094-019288-00000	E6	3.84 €	

SCOL comfyTig



Designation	PU Units	Item no.	PG	Price Per unit
Collet body mount	1	094-021094-00001	B2	20.80 €

Insulators - TIG series

INSTIG 150/260



- Insulators made of heat-resistant Teflon
- For TIG 150/260 torch types

Material		Teflon				
Version		For TIG 150/260 torch types				
Designation	PU Units	Size	PE	Item no.	PG	Price
Insulator	10	Standard	Per unit	094-011979-00000	E4	2.28 €
Insulator, JUMBO	1	XL		094-011760-00000	E4	21.31 €
Insulator	2	Standard	Per packing unit	094-011979-90002	E4	6.15 €
Insulator, JUMBO		XL		094-011760-90002	E4	44.50 €

ADAPT TIG 150/260



- Adapter ring for insulator INSTIG 150/260 XL
- For TIG 150/260 torch types

Size		XL				
Material		Brass				
Version		For TIG 150/260 torch types				
Designation	PU Units	PE	Item no.	PG	Price	
Adapter ring, JUMBO	10	Per unit	094-011758-00000	E4	7.28 €	
	2	Per packing unit	094-011758-90002	E4	16.40 €	

INSTIG 200/450



- Insulators made of heat-resistant Teflon
- For TIG 200/450 torch types

Material		Teflon				
Version		For TIG 200/450 torch types				
Designation	PU Units	Size	PE	Item no.	PG	Price
Insulator	10	Standard	Per unit	094-011759-00000	E4	7.39 €
Insulator, JUMBO	1	XL		094-009657-00000	E4	22.48 €
Insulator	2	Standard	Per packing unit	094-011759-90002	E4	16.20 €
Insulator, JUMBO		XL		094-009657-90002	E4	46.40 €

Insulators - TIG-SR series

INS TIG-SR 9/20



- Insulators made of heat-resistant Teflon
- For SR 9 and SR 20 torch types

Material		Teflon				
Version		For SR 9/20 torch types				
Designation	PU Units	Size	PE	Item no.	PG	Price
Insulator	10	Standard	Per unit	094-001331-00000	E6	0.85 €
Adapters	5	XL		094-011916-00000	E6	6.46 €
Insulator	2	Standard	Per packing unit	094-001331-90002	E6	2.78 €
Adapters		XL		094-011916-90002	E6	14.40 €

INS TIG-SR 17/18/26



- Insulators made of heat-resistant Teflon
- For SR 17/18/26 torch types

Material		Teflon				
Version		For SR 17/18/26 torch types				
Designation	PU Units	Size	PE	Item no.	PG	Price
Insulator	10	Standard	Per unit	094-001307-00000	E6	0.94 €
Adapters		XL		094-001194-00000	E6	1.38 €
Adapter, JUMBO	5	XXL		094-003138-00000	E6	4.43 €
Insulator	2	Standard	Per packing unit	094-001307-90002	E6	2.95 €
Adapters		XL		094-001194-90002	E6	3.83 €
Adapter, JUMBO		XXL		094-003138-90002	E6	10.30 €

INS TIG-SR 18SC



- Insulators made of heat-resistant Teflon
- For high-performance torch TIG 18SC

Material		Teflon				
Version		For TIG 18SC torch types				
Designation	PU Units	PE	Item no.	PG	Price	
Insulator	5	Per unit	094-001360-00000	E6	5.93 €	
	2	Per packing unit	094-001360-90002	E6	13.30 €	

Torch caps - TIG series

TC TIG 150/260



- Back caps for TIG welding torches in unbreakable, heat resistant plastic
- For TIG 150/260 torch types

Material		Plastic				
Version		For TIG 150/260 torch types				
Designation	Length mm	PU Units	PE	Item no.	PG	Price
Back cap, short	19.5	5	Per unit	094-011752-00000	E4	6.51 €
Back cap, medium	59			094-011753-00000	E4	8.86 €
Back cap, long	139			094-021855-00000	A2	9.18 €
Back cap, short	19.5	2	Per packing unit	094-011752-90002	E4	14.60 €
Back cap, medium	59			094-011753-90002	E4	19.30 €
Back cap, long	139			094-021855-90002	A2	19.95 €

TC TIG 200/450/SC



- Back caps for TIG welding torches in unbreakable, heat resistant plastic
- For TIG 200/450 torch types

Material		Plastic				
Version		For TIG 200/450 torch types				
Designation	Length mm	PU Units	PE	Item no.	PG	Price
Back cap, short	19.0	5	Per unit	094-010723-00000	E4	6.02 €
Back cap, long	120			094-010601-00000	E4	10.63 €
Back cap, short	19.0	2	Per packing unit	094-010723-90002	E4	13.30 €
Back cap, long	120			094-010601-90002	E4	22.50 €

Torch caps - TIG-SR series

TC TIG-SR 9/20



- Back caps for TIG welding torches in unbreakable, heat resistant plastic
- For SR 9 and SR 20 torch types

Material		Plastic				
Version		For SR 9/20 torch types				
Designation	Length mm	PU Units	PE	Item no.	PG	Price
Back cap, short	16.0	10	Per unit	094-001328-00000	E6	1.83 €
Back cap, medium	48			094-001329-00000	E6	1.97 €
Back cap, long	146			094-001327-00000	E6	3.40 €
Back cap, short	16.0	2	Per packing unit	094-001328-90002	E6	5.11 €
Back cap, medium	48			094-001329-90002	E6	5.38 €
Back cap, long	146			094-001327-90002	E6	8.25 €

TC TIG-SR 17/18/26/18SC



- Back caps for TIG welding torches in unbreakable, heat resistant plastic
- For SR 17/18/26/18SC torch types

Material		Plastic				
Version		For SR 17/18/26/18SC torch types				
Designation	Length mm	PU Units	PE	Item no.	PG	Price
Back cap, short	31	10	Per unit	094-001120-00000	E6	3.79 €
Back cap, long	114			094-001114-00000	E6	4.73 €
Back cap, short	31	2	Per packing unit	094-001120-90002	E6	9.10 €
Back cap, long	114			094-001114-90002	E6	10.95 €

spotArc consumables - spotArc

GNC spotArc



- For EWM spotArc torches

Designation	PU Units	Item no.	PG	Price Per unit
Gas nozzle body	1	094-017309-00001	B2	17.50 €

GN Spotarc



- Copper nozzles for spot welding and tacking of lap, corner and fillet welds
- For EWM spotArc torches

Material		Copper			
Designation	PU Units	Version	Item no.	PG	Price Per unit
Spot welding nozzle, edge weld	5	Edge weld	094-009602-00002	E6	7.10 €
Spot welding nozzle, fillet weld		Fillet weld	094-009603-00002	E6	9.30 €
Spot welding nozzle, flat weld		Flat weld	094-009604-00002	E6	6.40 €

SP spotArc



- For EWM spotArc torches

Designation	PU Units	Item no.	PG	Price Per unit
Gas nozzle	10	094-017310-00000	B2	5.72 €

ISO spotArc



- For EWM spotArc torches

Version		Insulator		
Designation	PU Units	Item no.	PG	Price Per unit
Insulator	2	094-019215-00000	B2	5.77 €

AG SPOTARC



- For the exact positioning of the tungsten electrode
- Manufactured from stainless steel
- For EWM spotArc torches

Material		Stainless steel, rust-proof		
Designation	PU Units	Item no.	PG	Price Per unit
Electrode setting gauge with adjustable, flat-ground and non-wearing carbide stop	1	094-014146-00001	B2	13.10 €

Electrodes - Tungsten electrodes

Spannfix



Grinding aid for tungsten electrodes

Designation	Version	Item no.	PG	Price
Grinding aid	Size 1	098-000704-00000	HW9	20.85 €
	Size 2	098-003872-00000	HW9	21.35 €

WP (green)



- Tungsten electrode for aluminium, aluminium alloys, nickel and nickel alloys
- Optimum tungsten balling, lower current load
- Not suitable for direct current welding (DC)

Length	175 mm
Colour code	Green
Material	Pure tungsten 99.9%
Short designation	WP

Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit
Tungsten electrode, green	1.0	10	094-001593-00000	E1	1.70 €
	1.6		094-001008-00000	E1	1.97 €
	2.0		094-001594-00000	E1	3.36 €
	2.4		094-001009-00000	E1	4.05 €
	3.2		094-001010-00000	E1	6.80 €
	4.0		094-001011-00000	E1	11.40 €
	4.8		094-001595-00000	E1	17.90 €

WCe 20 (grey)



- Can be used for unalloyed and high-alloy steels and aluminium, titanium, nickel, copper and magnesium alloys in the lower and mid current range
- **Good substitute for WT electrodes:** The welder is not exposed to radioactive substances
- Suitable for direct and alternating current
- Tungsten electrode with very good ignition and reignition properties

Length	175 mm
Colour code	Grey
Material	< 2% CeO ₂
Short designation	WCe 20
Oxide	1.80–2.20% ceria

Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit
Tungsten electrode, grey	1.0	10	094-001380-00000	E1	1.60 €
	1.6		094-001004-00000	E1	2.08 €
	2.0		094-001381-00000	E1	3.25 €
	2.4		094-001005-00000	E1	4.05 €
	3.2		094-001006-00000	E1	6.90 €
	4.0		094-001007-00000	E1	11.30 €
	4.8		094-001382-00000	E1	17.90 €

Electrodes - Tungsten electrodes

WCe 20 (grau), kurz



- Can be used for unalloyed and high-alloy steels and aluminium, titanium, nickel, copper and magnesium alloys in the lower and mid current range
- **Good substitute for WT electrodes:** The welder is not exposed to radioactive substances
- Suitable for direct and alternating current
- Tungsten electrode with very good ignition and reignition properties

Length	75 mm
Colour code	Grey
Short designation	WCe 20
Oxide	1.80–2.20% ceria

Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit
Tungsten electrode, grey	1.6	10	094-019387-00000	E1	2.60 €
	2.4		094-019388-00000	E1	3.25 €
	3.2		094-019389-00000	E1	4.94 €
	4.0		094-019390-00000	E1	7.80 €

WR 2 (turquoise)



- Can be used for unalloyed and high-alloy steels and aluminium, titanium, nickel, copper and magnesium alloys in the lower and mid current range
- Suitable for direct and alternating current
- Tungsten electrode with long service life and high durability
- Not radioactive

Length	175 mm
Colour code	Turquoise
Material	< 2% rare earths
Short designation	WR 02
Oxide	Rare earths, mixed oxides

Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit
Tungsten electrode, turquoise	1.0	10	094-012957-00000	E4	2.30 €
	1.6		094-001591-00000	E4	2.24 €
	2.0		094-002136-00000	E4	4.22 €
	2.4		094-001592-00000	E4	4.05 €
	3.2		094-001913-00000	E4	7.50 €
	4.0		094-009312-00000	E4	12.70 €
	4.8		094-001914-00000	E4	17.90 €

WLa 20 (blue)



- Tungsten electrode with increased ignitability thanks to lanthanum oxide
- Can be used for unalloyed and high-alloy steels; aluminium, titanium, nickel, copper and magnesium alloys; and for microplasma welding
- Ideal for use in low current range
- **Good substitute for WT electrodes:** The welder is not exposed to radioactive substances
- Suitable for direct and alternating current

Length	175 mm
Colour code	Blue
Material	< 2% La ₂ O ₃
Short designation	WLa 20
Oxide	1.80–2.20% lanthanum oxide

Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit
Tungsten electrode, blue	1.0	10	094-012958-00000	E1	2.08 €
	1.6		094-001915-00000	E1	2.40 €
	2.0		094-012960-00000	E1	3.90 €
	2.4		094-001916-00000	E1	4.60 €
	3.2		094-001917-00000	E1	7.70 €
	4.0		094-012961-00000	E1	12.70 €
	4.8		094-001918-00000	E1	17.90 €

WLa 15 (gold)



- Tungsten electrode with increased ignitability thanks to lanthanum oxide
- Can be used for unalloyed and high-alloy steels; aluminium, titanium, nickel, copper and magnesium alloys; and for microplasma welding
- Ideal for use in low current range
- **Good substitute for WT electrodes:** The welder is not exposed to radioactive substances
- Suitable for direct and alternating current

Length	175 mm
Colour code	Gold
Material	< 1,5% La ₂ O ₃
Short designation	WLa 15
Oxide	1.40–1.60% lanthanum oxide

Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit
Tungsten electrode, gold	1.0	10	094-009446-00000	E1	1.60 €
	1.6		094-009447-00000	E1	1.97 €
	2.0		094-012962-00000	E1	3.36 €
	2.4		094-009276-00000	E1	4.05 €
	3.2		094-009527-00000	E1	6.90 €
	4.0		094-009528-00000	E1	11.30 €
	4.8		094-009529-00000	E1	17.90 €

Electrodes - Tungsten electrodes

E3® (purple)



- Tungsten electrodes with high current-carrying capacity and long service life
- Optimum ignition and re-ignition characteristics
- Produces high-quality arcs and little burn-off
- Electrode tip is hardly deformed
- **Good substitute for WT electrodes:** The welder is not exposed to radioactive substances
- Suitable for direct and alternating current

Length	175 mm
Colour code	Purple
Material	< 2% rare earths
Short designation	E3®
Oxide	Rare earths, mixed oxides

Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit
Tungsten electrode, purple	1.0	10	094-019691-00000	E4	1.57 €
	1.6		094-019692-00000	E4	1.77 €
	2.0		094-019693-00000	E4	2.51 €
	2.4		094-019694-00000	E4	3.60 €
	3.2		094-019695-00000	E4	5.78 €
	4.0		094-019696-00000	E4	10.41 €

E3 (purple), short



- Tungsten electrodes with high current-carrying capacity and long service life
- Optimum ignition and re-ignition characteristics
- Produces high-quality arcs and little burn-off
- Electrode tip is hardly deformed
- **Good substitute for WT electrodes:** The welder is not exposed to radioactive substances
- Suitable for direct and alternating current

Length	75 mm
Colour code	Purple
Short designation	E3®
Oxide	Rare earths, mixed oxides

Designation	Electrode Ø mm	PU Units	Item no.	PG	Price Per unit
Tungsten electrode, purple	1.6	10	094-020276-00000	E4	1.52 €
	2.4		094-020277-00000	E4	3.08 €
	3.2		094-020278-00000	E4	4.91 €

Lymox® (pink)



- Tungsten electrodes of very high quality with very good ignition characteristics
- Ideally suited for plasma and mechanised TIG welding due to the very good ignition characteristics in the low current range
- Tungsten electrodes with high current-carrying capacity and long service life
- Produces high-quality arcs and little burn-off
- **Good substitute for WT electrodes:** The welder is not exposed to radioactive substances
- Suitable for direct and alternating current
- Not radioactive

Length	175 mm
Colour code	pink
Short designation	Lymox®
Oxide	Rare earths, mixed oxides

Designation	Material	Electrode Ø mm	Item no.	PG	Price
Tungsten electrode, pink	1.8–2.2% rare earths	1.0	094-014912-00000	E1	2.35 €
		1.6	094-014913-00000	E1	3.20 €
		2.0	094-014914-00000	E1	4.60 €
		2.4	094-014915-00000	E1	5.20 €
		3.2	094-008412-00000	E1	9.10 €
		4.0	094-008413-00000	E1	15.00 €
		4.8	094-014916-00000	E1	20.95 €

Lymox Lux® (pink/grey)



- Tungsten electrodes of very high quality with very good ignition characteristics
- Ideally suited for plasma and mechanised TIG welding due to the very good ignition characteristics in the low current range
- Tungsten electrodes with high current-carrying capacity and long service life
- Produces high-quality arcs and little burn-off
- **Good substitute for WT electrodes:** The welder is not exposed to radioactive substances
- Suitable for direct and alternating current
- Not radioactive

Length	175 mm
Colour code	pink/grey
Short designation	Lymox Lux®
Oxide	Rare earths, mixed oxides

Designation	Material	Electrode Ø mm	PU Units	Item no.	PG	Price starting at 10 units
Tungsten electro- de, pink/grey	3.8–4.2% rare earths	1.0	10	094-021496-00000	E1	3.20 €
		1.6		094-021497-00000	E1	4.48 €
		2.4		094-021498-00000	E1	6.85 €
		3.2		094-021499-00000	E1	12.05 €
		4.0		094-021500-00000	E1	20.00 €
		4.8		094-021501-00000	E1	30.80 €

Consumables sets - Sets

TIG 150/260



- Replacement parts set for TIG welding torches, types TIG 150 and TIG 260
- Comprises the following:
- 3 torch caps (short, medium, long)
- 2 electrode holders (1 x D = 1.6 mm and 1 x D = 2.4 mm)
- 1 gas diffuser (D = 2.4 mm/L = 33 mm)
- 3 gas nozzles (1 x D = 8.0 mm, 1 x D = 10 mm and 1 x D = 11.5 mm/L = 26 mm)
- 1 insulator
- 4 tungsten electrodes (2 x D = 1.6 mm and 2 x 2.4 mm/L = 175 mm)

Electrode Ø	1.6 mm - 2.4 mm
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Designation	PU Units	Item no.	PG	Price Per unit
Replacement parts set	1	092-015252-00000	B2	109.00 €

SR 17/18/26/300HD



- Replacement parts set for TIG welding torches, types SR 17/18/26 and TIG-SR 300 HD
- Comprises the following:
- 2 torch caps (short, long)
- 6 collets (2 x D = 1.6 mm, 2 x D = 2.4 mm and 2 x D = 3.2 mm)
- 3 collet casings (1 x D = 1.6 mm, 1 x D = 2.4 mm and 1 x D = 3.2 mm)
- 3 gas nozzles (1 x D = 8.0 mm, 1 x D = 11 mm and 1 x D = 12.5 mm/L = 47 mm)
- 2 insulators
- 6 tungsten electrodes (2 x D = 1.6 mm, 2 x D = 2.4 mm and 2 x D = 3.2 mm/L = 175 mm)

Designation	PU Units	Item no.	PG	Price Per unit
Replacement parts set	1	092-015254-00000	B2	105.00 €

TIG 200/450



- Replacement parts set for TIG welding torches, types TIG 200 and TIG 450
- Comprises the following:
- 2 torch caps (short, long)
- 3 electrode holders (1 x D = 1.6 mm, 1 x D = 2.4 mm and 1 x D = 3.2 mm)
- 1 gas diffuser (D = 2.4 mm/L = 33 mm)
- 3 gas nozzles (1 x D = 10 mm, 1 x D = 13 mm and 1 x D = 15 mm/L = 37 mm)
- 1 insulator
- 6 tungsten electrodes (3 x D = 1.6 mm, 2 x D = 2.4 mm and 2 x D = 3.2 mm/L = 175 mm)

Electrode Ø	1.6 mm - 3.2 mm
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Designation	PU Units	Item no.	PG	Price Per unit
Replacement parts set	1	092-015251-00000	B2	135.00 €

TIG 200/450 CW/HW



- Replacement parts set for cold/hot wire torches, types TIG 200 and TIG 450
- Comprises the following:
 - 1 torch cap (short)
 - 2 gas diffusers, multi-layer (1 x Ø 2.4 mm and 1 x 3.2 mm)
 - 4 contact tips M6 x 28 mm CuCrZr (2 x Ø 1.0 mm and 2 x 1.2 mm)
 - 4 gas nozzles (2 x Ø 10 mm, 2 x 13 mm)
 - 4 tungsten electrodes (2 x Ø 2.4 mm and 2 x 3.2 mm)

Electrode Ø	2.4 mm - 3.2 mm			
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Designation	PU Units	Item no.	PG	Price Per unit
Replacement parts set	1	092-015797-00000	B2	133.90 €

SR 18SC



- Replacement parts set for TIG welding torches, type SR 18SC
- Comprises the following:
 - 2 torch caps (short, long)
 - 6 collets (2 x D = 3.2 mm, 2 x D = 4.0 mm and 2 x D = 4.8 mm)
 - 2 collet casings (1 x D = 3.2-4.8 mm and 1 x D = 3.2 mm)
 - 2 gas nozzles (1 x D = 11 mm and 1 x D = 12 mm / L = 26 mm)
 - 1 insulator
 - 6 tungsten electrodes (2 x D = 3.2 mm, 2 x D = 4.0 mm and 2 x D = 4.8 mm/L = 175 mm)

Designation	PU Units	Item no.	PG	Price Per unit
Replacement parts set	1	092-015255-00000	B2	182.00 €

SR 9/20



- Replacement parts set for TIG welding torches, types SR 9/20
- Comprises the following:
 - 3 torch caps (short, medium, long)
 - 4 collets (2 x D = 1.6 mm and 2 x D = 2.4 mm)
 - 2 collets (1 x D = 1.6 mm and 1 x D = 2.4 mm)
 - 1 gas diffuser (D = 2.4 mm/L = 33 mm)
 - 3 gas nozzles (1 x D = 8.0 mm, 1 x D = 9.5 mm and 1 x D = 11 mm)
 - 1 insulator
 - 4 tungsten electrodes (2 x D = 1.6 mm and 2 x 2.4 mm/L = 175 mm)

Designation	PU Units	Item no.	PG	Price Per unit
Replacement parts set	1	092-015253-00000	B2	73.00 €

SRP empty



- Empty box as a spare

Designation	Item no.	PG	Price Per unit
Consumables box, empty	094-013586-00000	E1	14.80 €

Automated welding torch accessories

ASPETIG 200/300 MT



Version	Suitable for ABITIG-MT 200G / 300W			
Designation	PU Units	Item no.	PG	Price Per unit
Mount for guide tube	1	094-020286-00000	E4	8.64 €

FR KPL TIG 200/300 MT



Version	Suitable for ABITIG-MT 200G / 300W			
Designation	PU Units	Item no.	PG	Price Per unit
Guide tube	1	094-020285-00000	E4	69.16 €

EL TIG 200/300W MT



Version	Suitable for ABITIG-MT 200G / 300W			
Designation		Item no.	PG	Price
Setting gauge		094-020513-00000	E4	50.02 €

TG TIG 500W MT



Version	Suitable for ABITIG-MT 500W			
Designation	PU Units	Item no.	PG	Price Per unit
Guide tube	1	094-017217-00000	E4	105.53 €

Cold/hot wire torch accessories

FH KPL



Designation	PU Units	Item no.	PG	Price Per unit
Flex bracket (15–41°)	1	094-019613-00000	B2	58.70 €

HP WIG AWS 260 CW/HW



Version	for TIG 260 CW/HW			
Designation	PU Units	Item no.	PG	Price Per unit
Bracket for wire feed	1	094-021998-00000	B2	55.60 €

HP WIG AWS comfyTig CW/HW



Version	for comfyTig CW/HW			
Designation	PU Units	Item no.	PG	Price Per unit
Bracket for wire feed	1	094-020666-00000	B2	32.10 €

HP WIG AWS 200/450 CW/HW



Version	for TIG 200/450 CW/HW			
Designation	PU Units	Item no.	PG	Price Per unit
Bracket for wire feed	1	094-017907-00002	B2	21.40 €

HP WIG AWS SR18 CW/HW



Version	for TIG-SR 18 CW/HW				
Designation	PU Units	Version	Item no.	PG	Price Per unit
Bracket for wire feed	1	Standard	094-019481-00001	B2	29.40 €
		JUMBO	094-020028-00002	B2	25.10 €

Cold/hot wire torch accessories

M4 / 7 / Zn



Designation	PU Units	Item no.	PG	Price Per unit
Hexagonal nut	20	074-000071-00000	S1	0.34 €

M4X10 L=26MM SW7

Designation	PU Units	Item no.	PG	Price Per unit
Large spool/drum	1	094-019543-00000	E1	9.60 €

M4X10 L=36MM SW7

Designation	PU Units	Item no.	PG	Price Per unit
Large spool/drum	1	094-019169-00001	E1	8.40 €

M4X15 L=36MM SW7

Designation	PU Units	Item no.	PG	Price Per unit
Large spool/drum	1	094-019547-00000	B2	13.40 €



O-RING 22X1MM

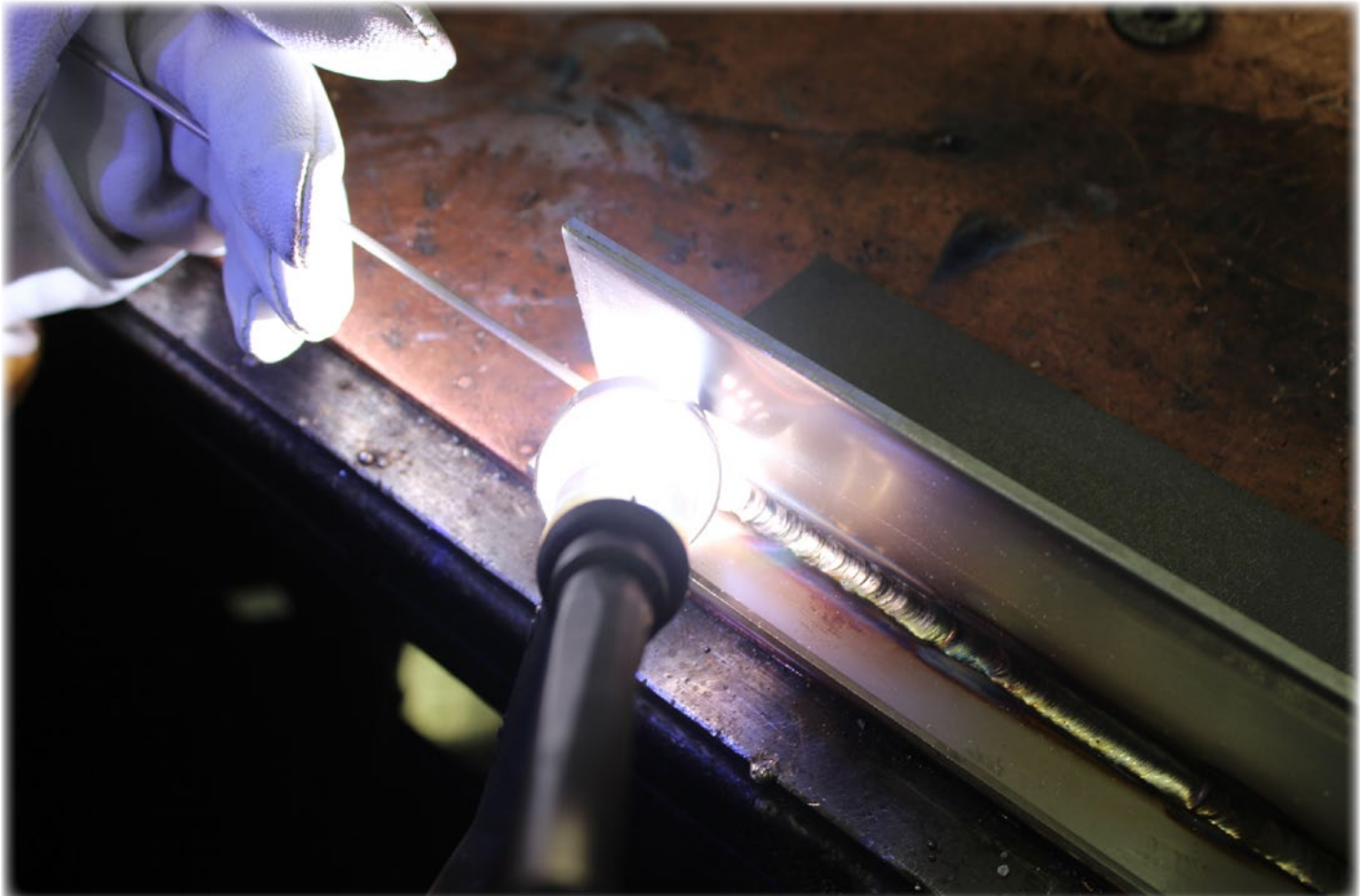
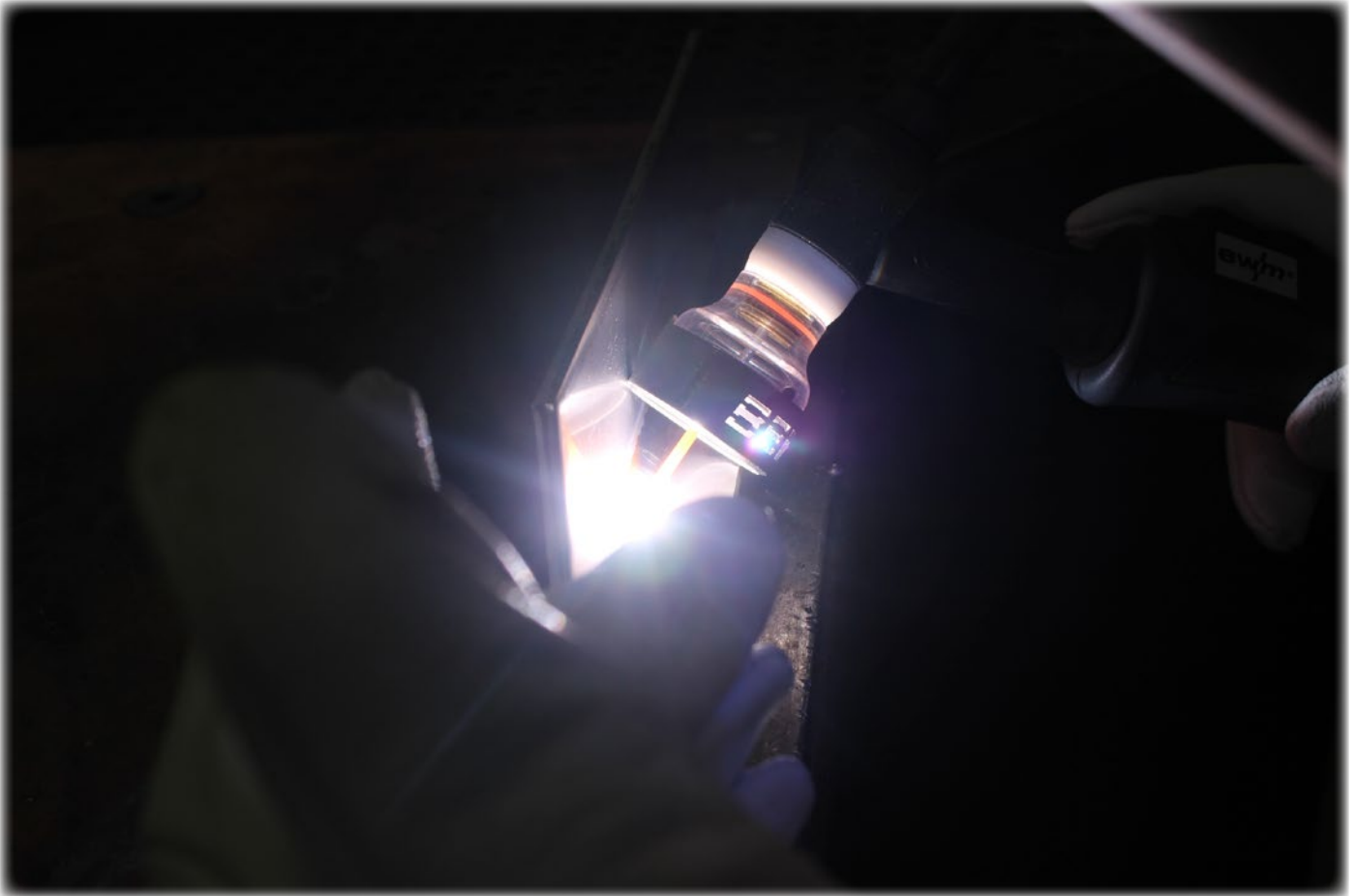


Designation	PU Units	Item no.	PG	Price Per unit
Sealing ring	10	094-019391-00000	E1	1.81 €

VH M6/M9X0,75 L=24,5



Designation	PU Units	Item no.	PG	Price Per unit
Connecting sleeve	2	094-019544-00000	B2	4.89 €



FURICK glass and ceramic gas nozzles

The large diameters of our gas nozzles guarantee a significantly better shielding gas coverage than conventional gas nozzles. This makes them ideal for use in processing high-alloy steels such as chromium-nickel steels or titanium.

Compatible with all SR-17/18/26 and SR-9/20 TIG welding torches from various manufacturers. We now offer three glass gas nozzles with various diameters as well as a ceramic gas nozzle.

Highlights

- Greatly improved shielding gas coverage (compared to standard nozzles)
- Optimum shielding gas coverage even when pipe welding thanks to different nozzle sizes. Equally suitable for both small and large pipe diameters.
- Allows discolouration to be reduced on the seam since the shielding gas remains above the seam section for longer*
- The high-grade components ensure great accuracy when the electrode is centred, leading to an increase in precision during welding.



Glass gas nozzles

- The glass design guarantees an optimum view while welding.
- The optional titanium ring increases sliding resistance during welding while protecting against damage.
- Three nozzle types are available:
 - **FUPA (nozzle Ø 19 mm)**: High shielding gas coverage, even when working in confined spaces
Maximum load: 180 A, DC
 - **BBW (nozzle Ø 26.7 mm)**: Maximum shielding gas coverage; can only be used to a limited extent in confined spaces, plug fitting
Maximum load: 200 A, DC
 - **BBWSG (nozzle Ø 26.7 mm)**: Maximum shielding gas coverage; can only be used to a limited extent in confined spaces, screw fitting
Maximum load: 200 A, DC



The glass gas nozzles are **stacked** onto the welding torch along with the O-Ring.



The BBWSG is an exception to this: It is **screwed** onto the welding torch using a thread.



FURICK glass and ceramic gas nozzles

Order placement guide

FUPA cup

Glass gas nozzle set consisting of 2 nozzles, 1 spare diffuser and 3 o-rings.



Item number	PG	Price
094-023229-00000	A2	96,80 €

FUPA cup cover

Glass gas nozzle set consisting of 2 nozzles, 1 titanium protection, 1 spare diffuser and 3 o-rings.



Item number	PG	Price
094-023223-00000	A2	125,50 €

BBW cup

Glass gas nozzle set consisting of 2 nozzles, 3 small o-rings and 1 large O-Ring.



Item number	PG	Price
094-023226-00000	A2	116,40 €

BBW cup cover

Glass gas nozzle set consisting of 2 nozzles, 1 titanium protection, 3 small o-rings and 1 large O-Ring.



Item number	PG	Price
094-023227-00000	A2	154,50 €

BBWSG Cup

Glass gas nozzle set comprising 1 nozzle including filter and sealing ring plus 1 spare filter and 1 spare sealing ring.

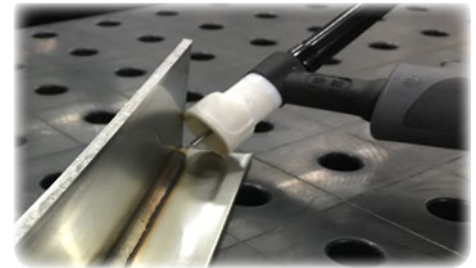


Item number	PG	Price
394-009071-00000	A2	75,00 €

FURICK glass and ceramic gas nozzles

Ceramic gas nozzles

- The FUPA ceramic gas nozzle (nozzle Ø 19 mm) guarantees the same high shielding gas coverage as the FUPA glass gas nozzle.
- Resistant to damage and more favourable acquisition price compared to the FUPA glass gas nozzle.
- Maximum load: 200 A, DC



Ceramic gas nozzles are screwed onto the welding torch and do not require any additional o-rings:



Order placement guide

FUPA ceramic/glass cup

Gas nozzle set comprising 1 ceramic nozzle, 1 glass nozzle, 1 spare diffuser and o-rings.



Item number	PG	Price
394-003810-00000	A2	75,00 €

FUPA ceramic/glass cup cover

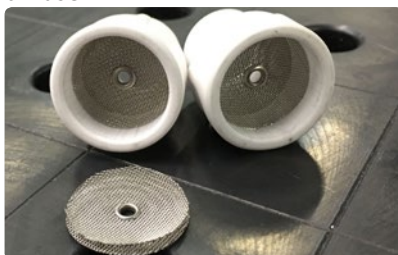
Gas nozzle set comprising 1 ceramic nozzle, 1 glass gas nozzle with titanium protection, 1 spare diffuser and o-rings.



Item number	PG	Price
394-003811-00000	A2	99,90 €

FUPA Ceramic Cup

Set consisting of 2 ceramic gas nozzles and 1 spare diffuser



Item number	PG	Price
394-003812-00000	A2	66,95 €

Set SR 17/18/26/300 HD

Gas nozzle holder set consisting of 1 collet, 1 collet body, 1 insulator, 4 o-rings.



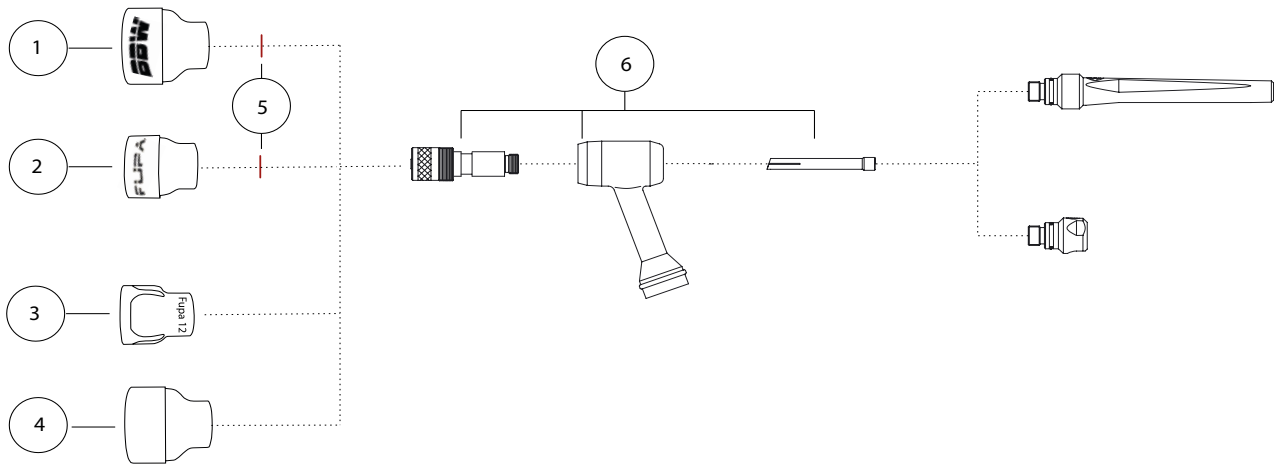
Item number	PG	Price
094-023224-00000	A2	49,50 €

FURICK glass and ceramic gas nozzles

Equipment tips

FUPA/BBW nozzles for SR 17/18/26/300 HD welding torches

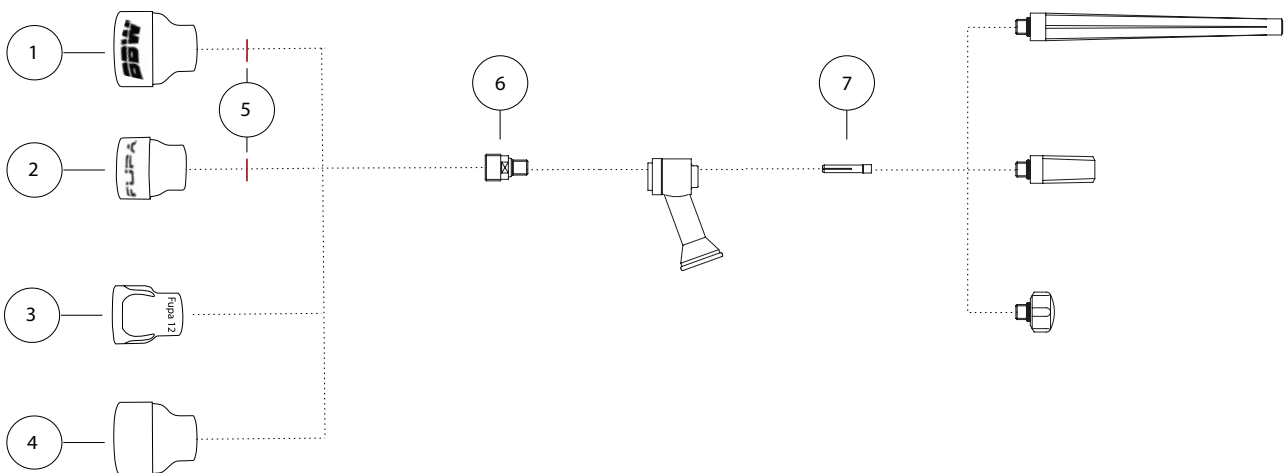
- The gas nozzles can only be operated with an electrode diameter of 2.4 mm.
- The gas nozzle holder set (094-023224-00000) is required for use on SR 17/18/26/300 HD welding torches.



Position number	Description
1	BBW glass gas nozzles
2	FUPA glass gas nozzles
3	FUPA ceramic gas nozzles
4	BBWSG glass gas nozzles
5	O-Ring
6	Gas nozzle holder set consisting of 1 collet, 1 collet body, 1 insulator, 4 o-rings.

FUPA/BBW nozzles for SR 9/20 welding torch

- The gas nozzles can only be operated with an electrode diameter of 2.4 mm.
- For use on SR 9/20 welding torches, the torch must be fitted with a collet (094-000934-00000) and a collet body with gas lens (094-001354-00000).



Position number	Description
1	BBW glass gas nozzles
2	FUPA glass gas nozzles
3	FUPA ceramic gas nozzles
4	BBWSG glass gas nozzles
5	O-Ring
6	Collet body with gas lens
7	Collet

CK glass gas nozzles

Consumables set

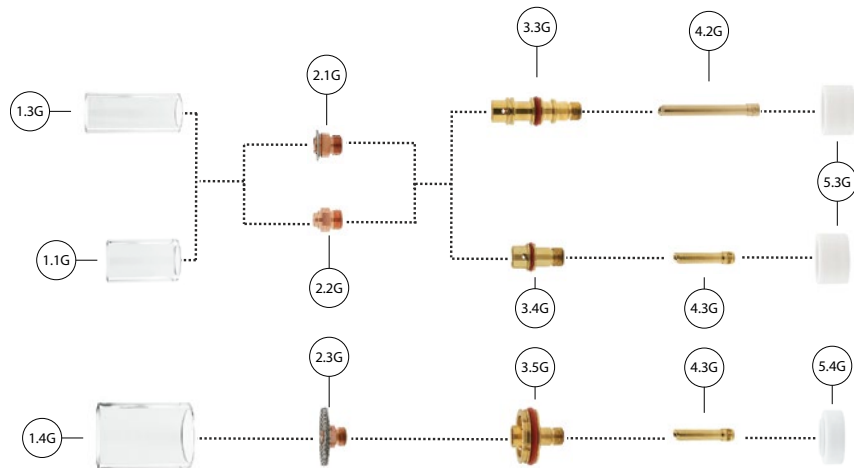
CK nozzles for SR 17/18/26/300 HD welding torches



Consumables for conversion to glass gas nozzles, e.g. for TIG-SR 18

- Suitable for TIG welding torches in the SR 17/18/26 series

Consumables



Item	Designation	Electrode Ø mm	Nozzle Ø mm	Length mm	Packing unit Units	Item no.	PG	Price Per unit
1.1G	Glass gas nozzle	-	14	32	1	094-021671-00000	HW8	15,50 €
1.3G	Glass gas nozzle	-	12.7	47	1	094-021669-00000	HW8	18,10 €
1.4G	Glass gas nozzle, JUMBO	-	28.6	47	1	094-021675-00000	HW8	35,70 €
2.1G	Gas lens for glass gas nozzles	1	-	-	5	094-022697-00000	HW8	4,13 €
2.1G	Gas lens for glass gas nozzles	1.6	-	-	5	094-022698-00000	HW8	3,76 €
2.1G	Gas lens for glass gas nozzles	2.4	-	-	5	094-021667-00000	HW8	3,78 €
2.1G	Gas lens for glass gas nozzles	3.2	-	-	5	094-022699-00000	HW8	4,13 €
2.1G	Gas lens for glass gas nozzles	4	-	-	5	094-022733-00000	HW8	3,76 €
2.2G	Adapter for glass gas nozzles	1	-	-	10	094-022709-00000	HW8	3,85 €
2.2G	Adapter for glass gas nozzles	1.6	-	-	10	094-022710-00000	HW8	1,02 €
2.2G	Adapter for glass gas nozzles	2.4	-	-	10	094-021668-00000	HW8	1,02 €
2.2G	Adapter for glass gas nozzles	3.2	-	-	10	094-022711-00000	HW8	1,02 €
2.2G	Adapter for glass gas nozzles	4	-	-	10	094-022734-00000	HW8	1,02 €
2.3G	Gas lens for glass gas nozzle, Jumbo	1	-	-	1	094-022712-00000	HW8	18,60 €
2.3G	Gas lens for glass gas nozzle, Jumbo	1.6	-	-	1	094-022713-00000	HW8	18,60 €
2.3G	Gas lens for glass gas nozzle, Jumbo	2.4	-	-	1	094-021674-00000	HW8	18,60 €
2.3G	Gas lens for glass gas nozzle, Jumbo	3.2	-	-	1	094-022714-00000	HW8	18,60 €
2.3G	Gas lens for glass gas nozzle, Jumbo	4	-	-	1	094-022735-00000	HW8	22,80 €
3.3G	Collet body for glass gas nozzles	-	-	-	3	094-0221666-00000	HW8	4,53 €
3.4G	Collet body for glass gas nozzles, short	-	-	-	3	094-021670-00000	HW8	3,55 €
3.5G	Collet body for glass gas nozzles, JUMBO	-	-	-	1	094-021673-00000	HW8	14,50 €
4.2G	Collet for glass gas nozzles	1	-	50	5	094-022725-00000	HW8	2,52 €
4.2G	Collet for glass gas nozzles	1.6	-	50	5	094-022726-00000	HW8	2,52 €
4.2G	Collet for glass gas nozzles	2.4	-	50	5	094-021663-00000	HW8	2,52 €
4.2G	Collet for glass gas nozzles	3.2	-	50	5	094-022727-00000	HW8	2,52 €
4.2G	Collet for glass gas nozzles	4	-	50	5	094-022728-00000	HW8	2,52 €
4.3G	Collet for glass gas nozzles	1	-	30	5	094-022729-00000	HW8	3,41 €
4.3G	Collet for glass gas nozzles	1.6	-	30	5	094-022730-00000	HW8	3,41 €
4.3G	Collet for glass gas nozzles	2.4	-	30	5	094-021664-00000	HW8	3,40 €
4.3G	Collet for glass gas nozzles	3.2	-	30	5	094-022731-00000	HW8	3,41 €
4.3G	Collet for glass gas nozzles	4	-	30	5	094-022732-00000	HW8	3,41 €
5.3G	Insulator for glass gas nozzle	-	-	-	1	094-021665-00000	HW8	5,15 €
5.4G	Insulator for glass gas nozzle, JUMBO	-	-	-	1	094-021672-00000	HW8	9,35 €

CK glass gas nozzles

Consumables set

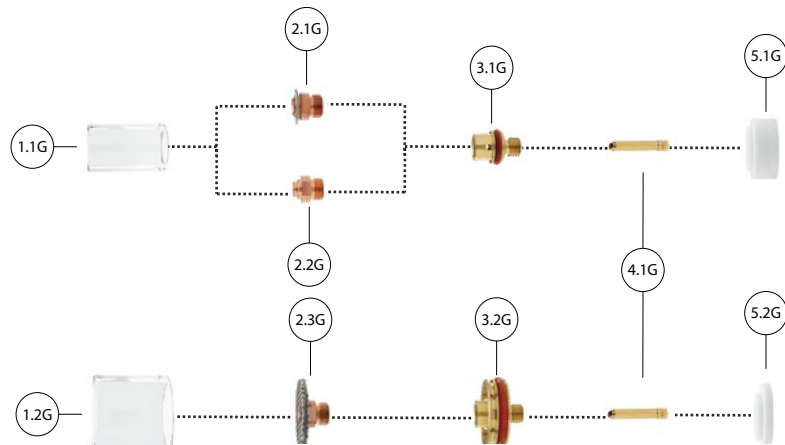
CK nozzles for SR 9/20 welding torches



Consumables for conversion to glass gas nozzles, e.g. for TIG-SR 20

- Suitable for TIG welding torches in the SR 9/20 series

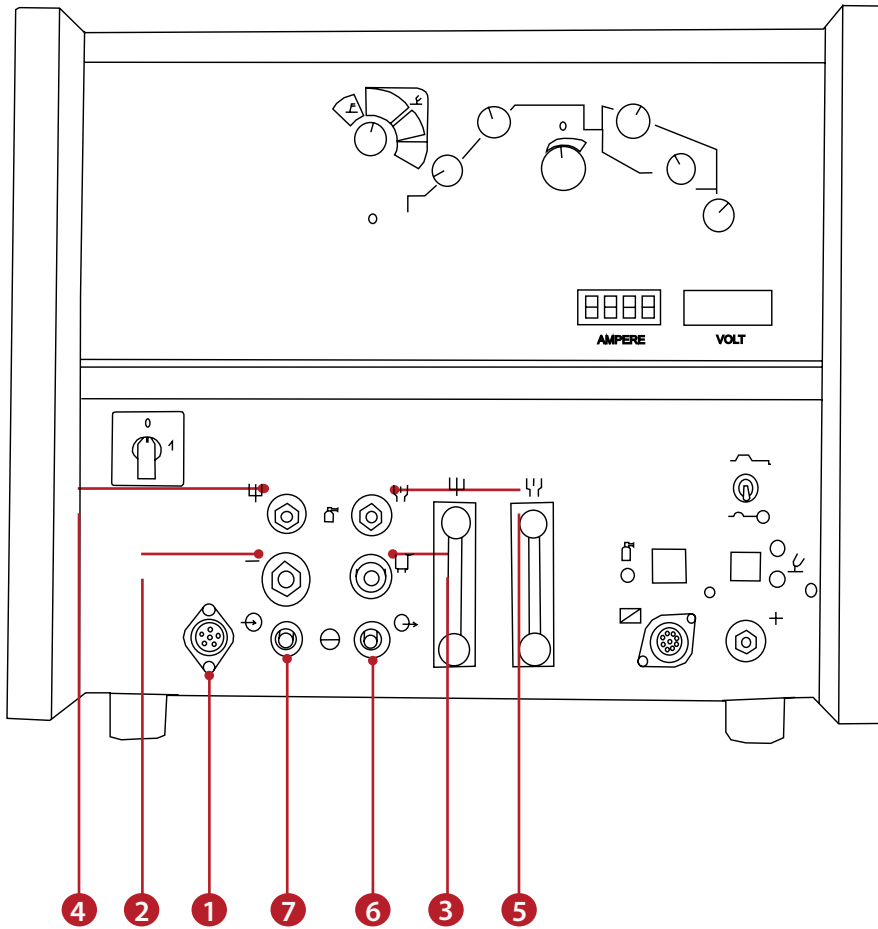
Consumables



Item	Designation	Electrode Ø	Nozzle Ø	Length	Pa- cking unit Units	Item no.	PG	Price
		mm	mm	mm				
1.1G	Glass gas nozzle	-	14	32	1	094-021671-00000	HW8	15,50 €
1.2G	Glass gas nozzle, JUMBO	-	29	32.5	1	094-022715-00000	HW8	32,80 €
2.1G	Gas lens for glass gas nozzles	1	-	-	5	094-022697-00000	HW8	4,13 €
2.1G	Gas lens for glass gas nozzles	1.6	-	-	5	094-022698-00000	HW8	3,76 €
2.1G	Gas lens for glass gas nozzles	2.4	-	-	5	094-021667-00000	HW8	3,78 €
2.1G	Gas lens for glass gas nozzles	3.2	-	-	5	094-022699-00000	HW8	4,13 €
2.1G	Gas lens for glass gas nozzles	4	-	-	5	094-022733-00000	HW8	3,76 €
2.2G	Adapter for glass gas nozzles	1	-	-	10	094-022709-00000	HW8	3,85 €
2.2G	Adapter for glass gas nozzles	1.6	-	-	10	094-022710-00000	HW8	1,02 €
2.2G	Adapter for glass gas nozzles	2.4	-	-	10	094-021668-00000	HW8	1,02 €
2.2G	Adapter for glass gas nozzles	3.2	-	-	10	094-022711-00000	HW8	1,02 €
2.2G	Adapter for glass gas nozzles	4	-	-	10	094-022734-00000	HW8	1,02 €
2.3G	Gas lens for glass gas nozzle, Jumbo	1	-	-	1	094-022712-00000	HW8	18,60 €
2.3G	Gas lens for glass gas nozzle, Jumbo	1.6	-	-	1	094-022713-00000	HW8	18,60 €
2.3G	Gas lens for glass gas nozzle, Jumbo	2.4	-	-	1	094-021674-00000	HW8	18,60 €
2.3G	Gas lens for glass gas nozzle, Jumbo	3.2	-	-	1	094-022714-00000	HW8	18,60 €
2.3G	Gas lens for glass gas nozzle, Jumbo	4	-	-	1	094-022735-00000	HW8	22,80 €
3.1G	Collet body for glass gas nozzles	-	-	-	3	094-022707-00000	HW8	3,57 €
3.2G	Collet body for glass gas nozzles, JUMBO	-	-	-	1	094-022708-00000	HW8	13,90 €
4.1G	Collet for glass gas nozzles	1	-	25.5	5	094-022702-00000	HW8	1,63 €
4.1G	Collet for glass gas nozzles	1.6	-	25.5	5	094-022703-00000	HW8	1,63 €
4.1G	Collet for glass gas nozzles	2.4	-	25.5	5	094-022705-00000	HW8	1,99 €
4.1G	Collet for glass gas nozzles	3.2	-	25.5	5	094-022706-00000	HW8	2,26 €
5.1G	Insulator for glass gas nozzle	-	-	-	1	094-022700-00000	HW8	5,70 €
5.2G	Insulator for glass gas nozzle, JUMBO	-	-	-	1	094-022701-00000	HW8	9,35 €

Microplasma 20/50 connections

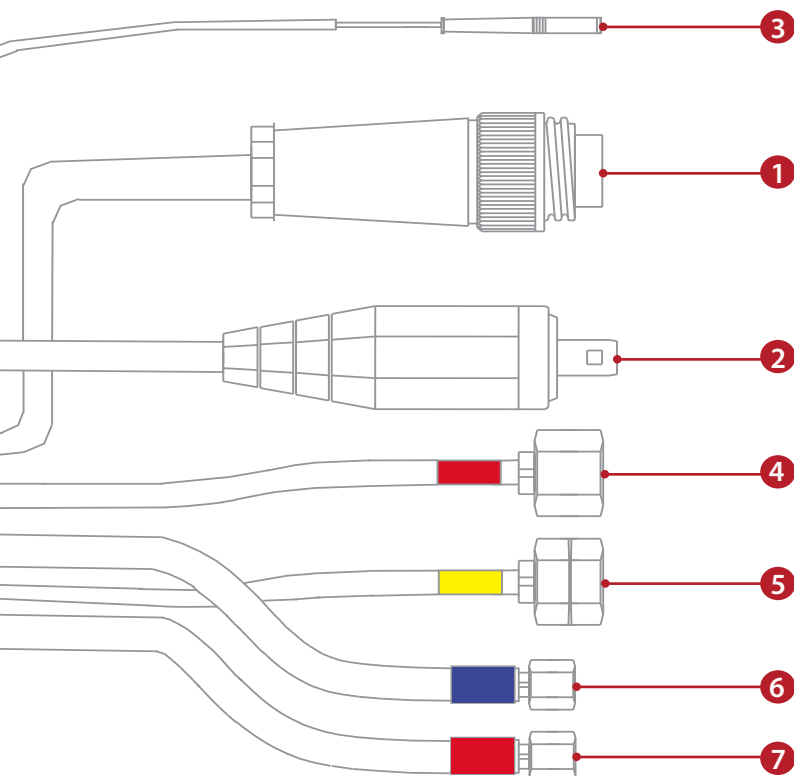
Machine connections



New ON Adap Microplasma

To be able to use old torch connections on a new Microplasma 25/55/125, we offer an additional adapter set which makes it easy to convert from screw connections to plug connections.

Item number	PG	Price
092-003539-00000	B2	158,00 €

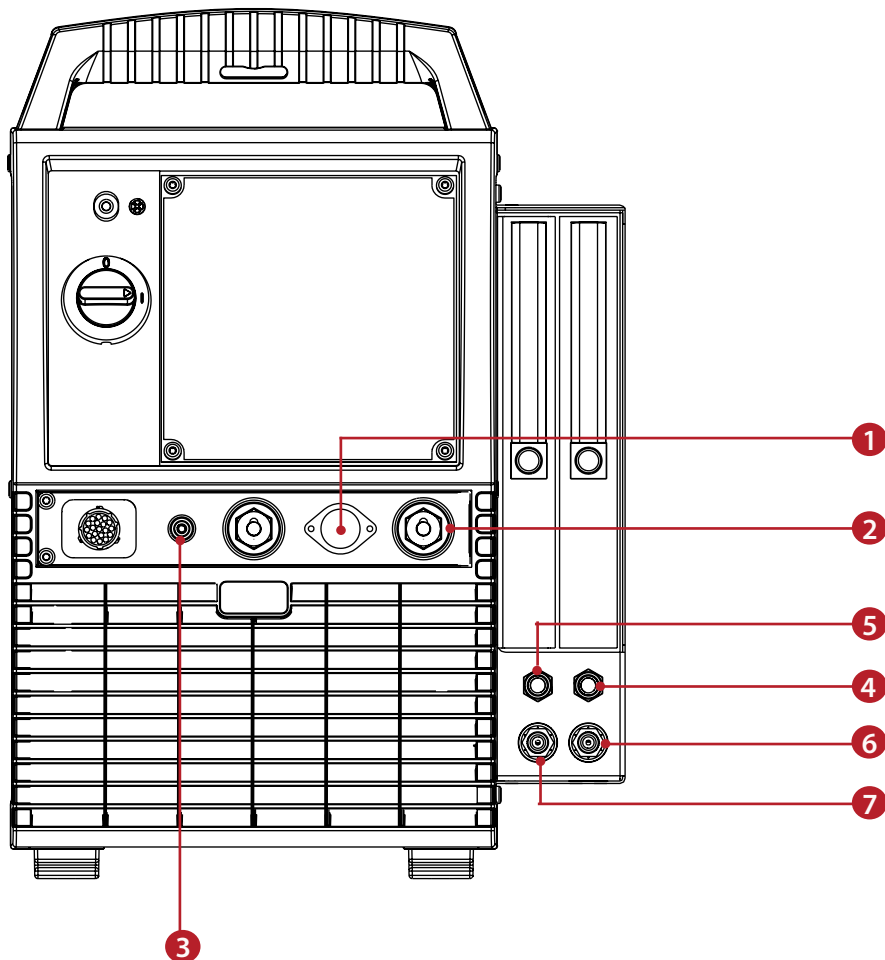


Torch connections

Item	Designation	Description
1	Control cable assembly	5-pole plug
2	Main arc	Connector plug, SK 25 Ø 9 mm
3	Pilot arc	Connector plug, Ø 4 mm
4	Plasma gas connection	G¼" RH connecting nipple
5	Shielding gas connection	G¼" LH connecting nipple
6	Coolant feed	M12x1 RH coolant water nipple
7	Coolant return	M12x1 RH coolant water nipple

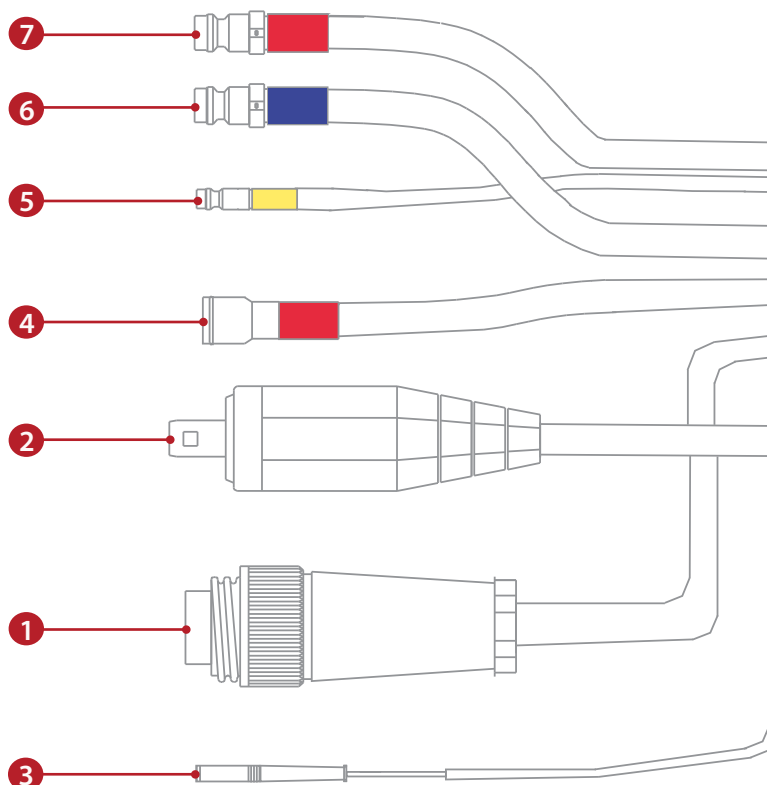
Microplasma 25/55/105 connections

Machine connections



Torch connections

Item	Designation	Description
1	Control cable assembly	5-pole plug
2	Main arc	Connector plug, SK 25 Ø 9 mm
3	Pilot arc	Connector plug, Ø 4 mm
4	Plasma gas connection	Built-in coupling, red, Ø 5 mm
5	Shielding gas connection	Plug-in nipples, yellow, Ø 5 mm
6	Coolant feed	Quick connect coupling, blue, Ø 9 mm
7	Coolant return	Quick connect coupling, red, Ø 9 mm



Plasma welding torches - Plasma manual welding torch

PHW 20




PHW 20



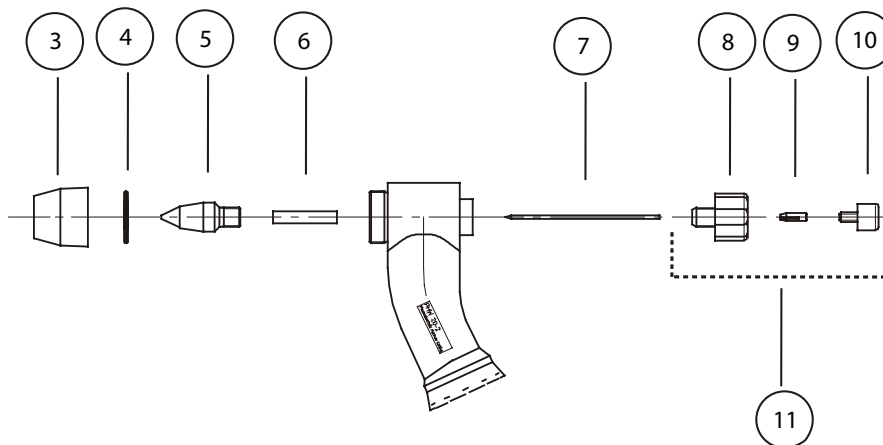
- Very small, water-cooled, powerful micro-plasma welding torch
- Suitable for Microplasma 25
- Plasma welding of foils, wires and filters made from high-alloy steels and nickel, copper and titanium alloys between 0.05 mm and 1 mm thick
- Conceived for precise welding of the finest wires and foils where the arc is extremely stable even with minimal welding currents
- **Consumables, dental:**
 - For welding small wires for braces, inlays, dentures, etc.
 - For small currents up to 15 A
 - Projecting plasma nozzle
 - Standard consumables are suitable for currents between 15 and 25 amperes
 - Please always use an electrode setting gauge to achieve optimum welding results
- **Equipment as delivered:**
 - Electrode: Ø 1.0 mm
 - Plasma nozzle: Ø 1.0 mm
 - Bakelite gas nozzle



Duty cycle DC-	25 A / 100 %
Connection	Tuchel, 5-pole
Nozzle Ø	0.5 mm - 1.2 mm
Approvals	CE sign

Designation			Item no.	PG	Price
	m				Per unit
Plasma torch	3.0		394-003872-00000	A3	1,092.00 €

Consumables PHW 20



Item	Designation	Electro- de Ø	Nozzle Ø	Length	Material	PU	Item no.	PG	Price
		mm	mm	mm		#ein- heit- VE#			Per unit
3	Gas nozzle	-	9	-	-	1	394-001116-00000	A3	19.45 €
3	Gas nozzle	-	11	-	-	1	394-002698-00000	A3	19.45 €
3	Gas nozzle	-	10	-	Bakelite	1	394-001117-00000	A3	6.85 €
4	O-ring	-	-	-	-	1	094-016466-00000	A3	1.85 €
5	Plasma nozzle	-	0.5	24.2	-	1	394-001114-00000	A3	20.55 €
5	Plasma nozzle	-	0.8	24.2	-	1	394-001115-00000	A3	20.55 €
5	Plasma nozzle	-	1	24.2	-	1	394-000034-00000	A3	20.55 €
5	Plasma nozzle	-	1.2	24.2	-	1	094-020283-00000	A3	20.10 €
5	Plasma nozzle, dental	-	0.8	29.2	-	1	394-002697-00000	A3	21.50 €
6	Centring piece	-	-	-	-	1	394-001118-00000	A3	8.00 €
7	WP	1	-	47	-	1	094-019147-00000	A3	4.84 €
7	Electrode, dental	1	-	52	-	1	394-002695-00000	A3	5.85 €
8	Electrode holders	-	-	-	-	1	394-002694-00000	A3	14.30 €
9	Collet chuck	-	-	-	-	1	394-002238-00000	A3	17.85 €
10	Clamping screw	-	-	-	-	1	394-002693-00000	A3	7.70 €
11	Complete back cap, consisting of clamping screw, collet chuck and electrode holder	-	-	-	-	1	394-002692-00000	A3	36.00 €
-	Electrode setting gauge	-	-	-	-	1	394-001119-00000	A3	22.45 €
-	Electrode setting gauge, dental	-	-	-	-	1	394-002701-00000	A3	24.95 €

Set PHW 20



- Replacement parts set for PHW 20 plasma torch
- Spare parts set, comprising:
 - 2 x plasma nozzle 0.5 x 24.2 mm
 - 2 x plasma nozzle 0.8 x 24.2 mm
 - 2 x plasma nozzle 1.0 x 24.2 mm
 - 2 x plasma nozzle 1.2 x 24.2 mm
 - 1 x tungsten electrode WL 10 1 x 47 mm
 - 2 x Bakelite gas nozzle Ø 10.0 mm
 - 1 x ceramic gas nozzle Ø 11.0 mm
 - 1 x ceramic gas nozzle Ø 9.0 mm
 - 2 x centring piece
 - 2 x O-Ring 15 x 1 mm
 - 1 x special-purpose screwdriver
 - 1 x electrode setting gauge

Designation	Item no.	PG	Price Per unit
PHW 20 spare parts box	094-025515-00000	A3	276.20 €

Plasma welding torches - Plasma manual welding torch

PHW 100

- Equipment as delivered:
- Gas nozzle: Ø 13.5 mm
- Gas guide insert: Ø 1.5 mm
- Fine-pore gas lens
- Plasma nozzle Ø 1.4 mm
- Collet chuck Ø 1.5 mm
- Tungsten electrode, special Ø 1.5 mm

- Water-cooled plasma welding torch
- Greater load capacity of the plasma nozzles thanks to optimised cooling system
- Reduced operating costs, long service life of the plasma nozzles thanks to large, threadless retainer cone in the torch body and additional heat dissipation by means of the gas lens on the plasma nozzle
- Thanks to component miniaturisation: compact torch design and small torch head diameter for optimal handling with the greatest possible output
- With its extensive range of accessories, it's ideally suited to all common applications and the majority of special applications
- Please always use an electrode setting gauge to achieve optimum welding results




Duty cycle DC-	100 A / 100 %
Duty cycle AC	80 A / 100 %
Duty cycle DC+	35 A / 100 %
Connection	Tuchel, 5-pole
Nozzle Ø	0.5 mm - 3 mm
Approvals	CE sign

PHW 100



- Suitable for Microplasma 55/105






Designation			Item no.	PG	Price
	m				Per unit
Plasma manual welding torch without setting gauge	3.0		394-003843-00000	A3	1,176.00 €

PHW 100

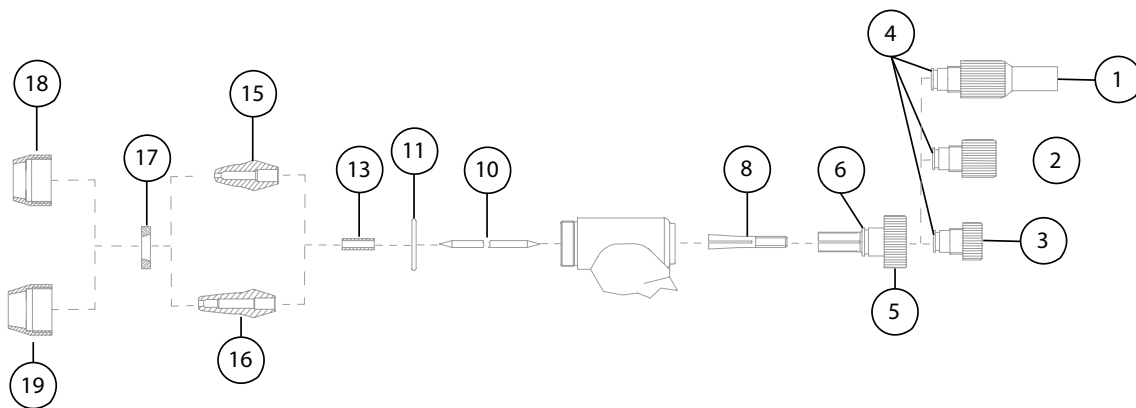


- Suitable for Microplasma 20/50



Designation			Item no.	PG	Price
	m				Per unit
Plasma manual welding torch without setting gauge	3.0		094-008232-00000	A3	1,176.00 €

Consumables PHW 100



Item	Designation	Electrode Ø	Nozzle Ø	Length	Max. welding current	PU	Item no.	PG	Price
		mm	mm	mm	A				Per unit
1	Back cap, complete	-	-	-	-	1	094-008274-00000	A3	26.75 €
2	Complete back cap, long	-	-	-	-	1	094-008275-00000	A3	27.90 €
3	Complete back cap, extra long	-	-	-	-	1	094-018083-00000	A3	43.10 €
4	O-ring for back cap	-	-	-	-	10	094-008233-00000	A3	1.25 €
5	Collet casing	-	-	-	-	1	094-008276-00000	A3	48.50 €
6	O-ring for collet chuck	-	-	-	-	10	094-008234-00000	A3	1.25 €
8	Collet chuck	1	-	-	-	1	094-019630-00000	A3	17.70 €

Item	Designation	Electro- de Ø	Nozzle Ø	Length	Max. welding current	PU	Item no.	PG	Price
		mm	mm	mm	A				
8	Collet chuck	1.5	-	-	-	1	094-008235-00000	A3	15.05 €
8	Collet chuck	2.4	-	-	-	1	094-008277-00000	A3	21.50 €
10	Tungsten electrode, special	1	-	51	-	10	094-019629-00000	A3	7.85 €
10	Tungsten electrode, special	1.5	-	51	-	10	094-008261-00000	A3	10.85 €
10	Tungsten electrode, special	1.5	-	72	-	1	094-008951-00000	A3	11.45 €
10	Tungsten electrode, special	2.4	-	72	-	10	094-008283-00000	A3	9.20 €
11	O-ring for gas nozzle	-	-	-	-	10	094-008236-00000	A3	3.65 €
13	Gas guide insert	1	-	-	-	1	094-019628-00000	A3	14.10 €
13	Gas guide insert	1.5	-	-	-	1	094-008241-00000	A3	12.70 €
13	Gas guide insert	2.4	-	-	-	1	094-008787-00000	A3	35.45 €
15	Plasma nozzle	-	0.5	-	10	1	094-009256-00000	A3	11.10 €
15	Plasma nozzle	-	0.6	-	15	1	094-008282-00000	A3	11.10 €
15	Plasma nozzle	-	0.8	-	20	1	094-008243-00000	A3	9.85 €
15	Plasma nozzle	-	1	-	25	1	094-008244-00000	A3	9.15 €
15	Plasma nozzle	-	1.2	-	30	1	094-008245-00000	A3	9.15 €
15	Plasma nozzle	-	1.4	-	40	1	094-008246-00000	A3	9.15 €
15	Plasma nozzle	-	1.6	-	50	1	094-008247-00000	A3	9.15 €
15	Plasma nozzle	-	1.8	-	60	1	094-008248-00000	A3	9.15 €
15	Plasma nozzle	-	2	-	70	1	094-008249-00000	A3	9.15 €
15	Plasma nozzle	-	2.2	-	80	1	094-009393-00000	A3	9.15 €
15	Plasma nozzle	-	2.4	-	90	1	094-008250-00000	A3	9.15 €
15	Plasma nozzle	-	2.6	-	95	1	094-009394-00000	A3	9.15 €
15	Plasma nozzle	-	3	-	100	1	094-008251-00000	A3	9.15 €
15	Plasma nozzle	-	3.2	-	100	1	094-009126-00000	A3	9.15 €
16	Plasma nozzle, long	-	0.5	-	10	1	094-009396-00000	A3	14.05 €
16	Plasma nozzle, long	-	0.6	-	15	1	094-009397-00000	A3	14.05 €
16	Plasma nozzle, long	-	0.8	-	20	1	094-008252-00000	A3	12.45 €
16	Plasma nozzle, long	-	1	-	25	1	094-008253-00000	A3	11.75 €
16	Plasma nozzle, long	-	1.2	-	30	1	094-008254-00000	A3	11.75 €
16	Plasma nozzle, long	-	1.4	-	40	1	094-008255-00000	A3	11.75 €
16	Plasma nozzle, long	-	1.6	-	45	1	094-008256-00000	A3	11.75 €
16	Plasma nozzle, long	-	1.8	-	50	1	094-008257-00000	A3	11.75 €
16	Plasma nozzle, long	-	2	-	60	1	094-008258-00000	A3	11.75 €
16	Plasma nozzle, long	-	2.2	-	70	1	094-008550-00000	A3	11.75 €
16	Plasma nozzle, long	-	2.4	-	80	1	094-008259-00000	A3	11.75 €
16	Plasma nozzle, long	-	2.6	-	85	1	094-008551-00000	A3	11.75 €
16	Plasma nozzle, long	-	3	-	90	1	094-008260-00000	A3	11.75 €
16	Plasma nozzle, long	-	3.2	-	100	5	094-008479-00000	A3	11.75 €
17	Gas lens, coarse-pore	-	-	-	-	1	094-008281-00000	A3	12.45 €
17	Gas lens, fine-pore	-	-	-	-	1	094-008242-00000	A3	12.20 €
18	Gas nozzle, short	-	11	-	-	1	094-008237-00000	A3	18.10 €
18	Gas nozzle, short	-	12	-	-	1	094-008238-00000	A3	18.10 €
19	Gas nozzle, long	-	9.5	-	-	1	094-008240-00000	A3	18.10 €
19	Gas nozzle, long	-	11	-	-	1	094-008239-00000	A3	18.10 €
-	Electrode setting gauge	-	-	-	-	1	094-008262-00000	A3	30.85 €

ON Adap Microplasma new



Designation	Item no.	PG	Price
			Per unit
Adapter for connecting a welding torch with screw coupling to microplasma 25/55/105	092-003539-00000	B2	158.00 €

Plasma welding torches - Plasma manual welding torch

PHW 100

Set PWH/PWM 100



- Consumables set for PWH 100 plasma torch
- Spare parts set, comprising:
 - 2 x back cap O-rings
 - 2 x retainer O-rings
 - 1 x collet chuck, 1.5 mm
 - 3 x seal for nozzle
 - Gas nozzle, short, 2 x 11 mm and 2 x 12 mm
 - Gas nozzle, long, 2 x 11 mm and 2 x 9.5 mm
 - 2 x insert tube 1.5 mm
 - 2 x gas lens, fine-pore
 - Plasma nozzle, 2 x 0.8 mm/2 x 1.0 mm/2 x 1.2 mm/2 x 1.4 mm/2 x 1.6 mm/2 x 1.8 mm
 - Plasma nozzle, long, 2 x 0.8 mm/2 x 1.0 mm/2 x 1.2 mm/2 x 1.4 mm/2 x 1.6 mm/2 x 1.8 mm
 - 4 x special tungsten electrode, 1.5 mm
 - 2 x electrode setting gauge
 - 1 x back cap
 - 1 x plasma nozzle, plus pole, AC 1.2 mm

Approvals		CE sign	
Designation	Item no.	PG	Price Per unit
Consumables box, PWH/PWM 100	094-008270-00000	A3	619.50 €



Plasma welding torches - Plasma automated welding torch

PMW 20




PMW 20



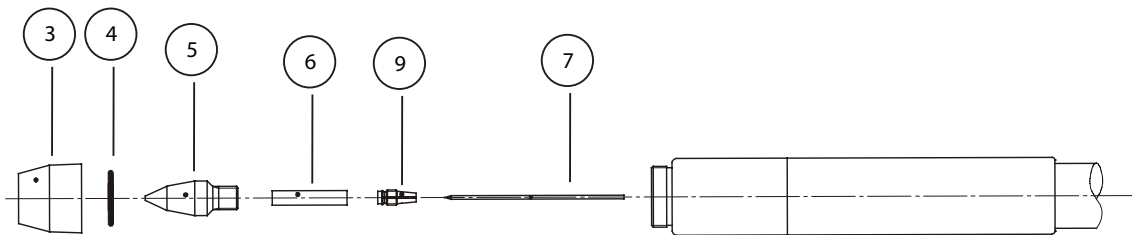
- Very small, water-cooled, powerful plasma machine welding torch
- Suitable for Microplasma 25
- Plasma welding of foils, wires and filters made from high-alloy steels and nickel, copper and titanium alloys between 0.05 mm and 1 mm thick
- Conceived for precise welding of the finest wires and foils where the arc is extremely stable even with minimal welding currents
- **Equipment as delivered:**
 - Electrode: Ø 1.0 mm
 - Plasma nozzle: Ø 1.0 mm
 - Bakelite gas nozzle
 - Consumables, dental:
 - For welding small wires for braces, inlays, dentures, etc.
 - For small currents up to 15 A
 - Projecting plasma nozzle
 - Standard consumables are suitable for currents between 15 and 25 amperes
 - Please always use an electrode setting gauge to achieve optimum welding results



Duty cycle DC-	25 A / 100 %
Connection	Tuchel, 5-pole
Nozzle Ø	0.5 mm - 1.2 mm
Approvals	CE sign

Designation			Item no.	PG	Price
	m				Per unit
Plasma machine welding torch	3.0		394-003873-00000	A3	1,249.50 €

Consumables PMW 20



Item	Designation	Electrode Ø	Nozzle Ø	Length	Material	PU	Item no.	PG	Price
		mm	mm	mm		#einheit-VE#			Per unit
3	Gas nozzle	-	9	-	-	1	394-001116-00000	A3	19.45 €
3	Gas nozzle	-	11	-	-	1	394-002698-00000	A3	19.45 €
3	Gas nozzle	-	10	-	Bakelite	1	394-001117-00000	A3	6.85 €
4	O-ring	-	-	-	-	1	094-016466-00000	A3	1.85 €
5	Plasma nozzle	-	0.5	24.2	-	1	394-001114-00000	A3	20.55 €
5	Plasma nozzle	-	0.8	24.2	-	1	394-001115-00000	A3	20.55 €
5	Plasma nozzle	-	1	24.2	-	1	394-000034-00000	A3	20.55 €
5	Plasma nozzle	-	1.2	24.2	-	1	094-020283-00000	A3	20.10 €
5	Plasma nozzle, dental	-	0.8	29.2	-	1	394-002697-00000	A3	21.50 €
6	Centring piece	-	-	-	-	1	394-001118-00000	A3	8.00 €
7	WP	1	-	47	-	1	094-019147-00000	A3	4.84 €
7	Electrode, dental	1	-	52	-	1	394-002695-00000	A3	5.85 €
9	Collet chuck	-	-	-	-	1	394-018934-00000	A3	18.40 €
-	Electrode setting gauge	-	-	-	-	1	094-025465-00000	A3	36.65 €

Set PMW 20

- Replacement parts set for PMW 20 plasma torch
- Spare parts set, comprising:
 - 2 x plasma nozzle 0.5 x 24.2 mm
 - 2 x plasma nozzle 0.8 x 24.2 mm
 - 3 x plasma nozzle 1.0 x 24.2 mm
 - 2 x plasma nozzle 1.2 x 24.2 mm
 - 1 x special electrode
 - 2 x Bakelite gas nozzle Ø 10.0 mm
 - 1 x ceramic gas nozzle Ø 11.0 mm
 - 1 x ceramic gas nozzle Ø 9.0 mm
 - 1 x electrode setting gauge
 - 2 x centring piece
 - 2 x O-Ring

Designation	Item no.	PG	Price Per unit
PMW 20 spare parts box	094-025516-00000	A3	352.80 €

Plasma welding torches - Plasma automated welding torch

PMW 100




PMW 100



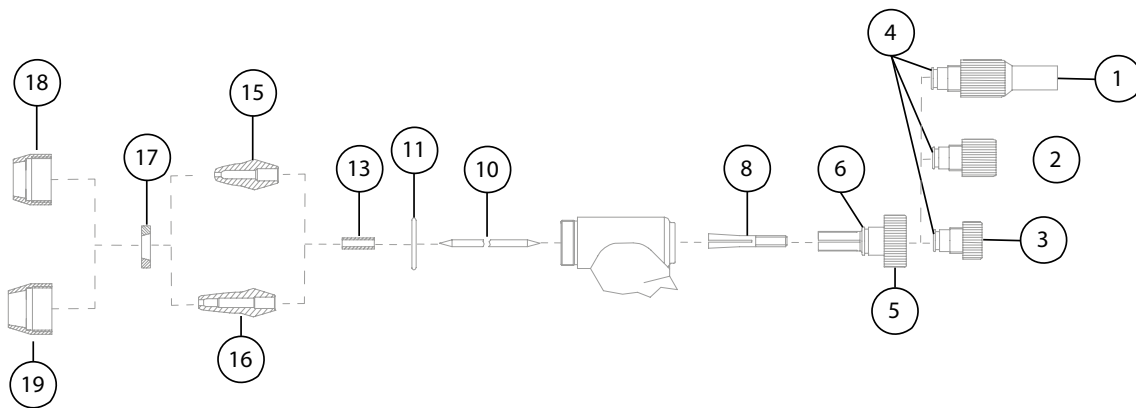
- Plasma machine welding torch
- Suitable for Microplasma 55/105
- 30-mm recessed mounting shank
- Equipment as delivered:
- Tungsten electrode 1.5 mm, long plasma nozzle 1.8 mm, long gas nozzle 11 mm



Duty cycle DC-	100 A / 100 %
Duty cycle AC	80 A / 100 %
Duty cycle DC+	35 A / 100 %
Connection	Tuchel, 5-pole
Nozzle Ø	0.5 mm - 3 mm
Approvals	CE sign

Designation			Item no.	PG	Price
	m				Per unit
Plasma machine welding torch	3.0		394-003853-00000	A3	1,134.00 €

Consumables PMW 100



► Use only with RK2/RK3 recooling unit

Item	Designation	Electrode Ø	Nozzle Ø	Length	Max. welding current	PU	Item no.	PG	Price
		mm	mm	mm	A				Per unit
1	Back cap, complete	-	-	-	-	1	094-008274-00000	A3	26.75 €
2	Complete back cap, long	-	-	-	-	1	094-008275-00000	A3	27.90 €
3	Complete back cap, extra long	-	-	-	-	1	094-018083-00000	A3	43.10 €
4	O-ring for back cap	-	-	-	-	10	094-008233-00000	A3	1.25 €
5	Collet casing	-	-	-	-	1	094-008276-00000	A3	48.50 €
6	O-ring for collet chuck	-	-	-	-	10	094-008234-00000	A3	1.25 €
8	Collet chuck	1	-	-	-	1	094-019630-00000	A3	17.70 €
8	Collet chuck	1.5	-	-	-	1	094-008235-00000	A3	15.05 €
8	Collet chuck	2.4	-	-	-	1	094-008277-00000	A3	21.50 €
10	Tungsten electrode, special	1	-	51	-	10	094-019629-00000	A3	7.85 €
10	Tungsten electrode, special	1.5	-	51	-	10	094-008261-00000	A3	10.85 €
10	Tungsten electrode, special	1.5	-	72	-	1	094-008951-00000	A3	11.45 €
10	Tungsten electrode, special	2.4	-	72	-	10	094-008283-00000	A3	9.20 €
11	O-ring for gas nozzle	-	-	-	-	10	094-008236-00000	A3	3.65 €
13	Gas guide insert	1	-	-	-	1	094-019628-00000	A3	14.10 €
13	Gas guide insert	1.5	-	-	-	1	094-008241-00000	A3	12.70 €
13	Gas guide insert	2.4	-	-	-	1	094-008787-00000	A3	35.45 €
15	Plasma nozzle	-	0.5	-	10	1	094-009256-00000	A3	11.10 €
15	Plasma nozzle	-	0.6	-	15	1	094-008282-00000	A3	11.10 €
15	Plasma nozzle	-	0.8	-	20	1	094-008243-00000	A3	9.85 €

Item	Designation	Electro- de Ø	Nozzle Ø	Length	Max. welding current	PU	Item no.	PG	Price
		mm	mm	mm	A				
15	Plasma nozzle	-	1	-	25	1	094-008244-00000	A3	9.15 €
15	Plasma nozzle	-	1.2	-	30	1	094-008245-00000	A3	9.15 €
15	Plasma nozzle	-	1.4	-	40	1	094-008246-00000	A3	9.15 €
15	Plasma nozzle	-	1.6	-	50	1	094-008247-00000	A3	9.15 €
15	Plasma nozzle	-	1.8	-	60	1	094-008248-00000	A3	9.15 €
15	Plasma nozzle	-	2	-	70	1	094-008249-00000	A3	9.15 €
15	Plasma nozzle	-	2.2	-	80	1	094-009393-00000	A3	9.15 €
15	Plasma nozzle	-	2.4	-	90	1	094-008250-00000	A3	9.15 €
15	Plasma nozzle	-	2.6	-	95	1	094-009394-00000	A3	9.15 €
15	Plasma nozzle	-	3	-	100	1	094-008251-00000	A3	9.15 €
15	Plasma nozzle	-	3.2	-	100	1	094-009126-00000	A3	9.15 €
16	Plasma nozzle, long	-	0.5	-	10	1	094-009396-00000	A3	14.05 €
16	Plasma nozzle, long	-	0.6	-	15	1	094-009397-00000	A3	14.05 €
16	Plasma nozzle, long	-	0.8	-	20	1	094-008252-00000	A3	12.45 €
16	Plasma nozzle, long	-	1	-	25	1	094-008253-00000	A3	11.75 €
16	Plasma nozzle, long	-	1.2	-	30	1	094-008254-00000	A3	11.75 €
16	Plasma nozzle, long	-	1.4	-	40	1	094-008255-00000	A3	11.75 €
16	Plasma nozzle, long	-	1.6	-	45	1	094-008256-00000	A3	11.75 €
16	Plasma nozzle, long	-	1.8	-	50	1	094-008257-00000	A3	11.75 €
16	Plasma nozzle, long	-	2	-	60	1	094-008258-00000	A3	11.75 €
16	Plasma nozzle, long	-	2.2	-	70	1	094-008550-00000	A3	11.75 €
16	Plasma nozzle, long	-	2.4	-	80	1	094-008259-00000	A3	11.75 €
16	Plasma nozzle, long	-	2.6	-	85	1	094-008551-00000	A3	11.75 €
16	Plasma nozzle, long	-	3	-	90	1	094-008260-00000	A3	11.75 €
16	Plasma nozzle, long	-	3.2	-	100	5	094-008479-00000	A3	11.75 €
17	Gas lens, coarse-pore	-	-	-	-	1	094-008281-00000	A3	12.45 €
17	Gas lens, fine-pore	-	-	-	-	1	094-008242-00000	A3	12.20 €
18	Gas nozzle, short	-	11	-	-	1	094-008237-00000	A3	18.10 €
18	Gas nozzle, short	-	12	-	-	1	094-008238-00000	A3	18.10 €
19	Gas nozzle, long	-	9.5	-	-	1	094-008240-00000	A3	18.10 €
19	Gas nozzle, long	-	11	-	-	1	094-008239-00000	A3	18.10 €
-	Electrode setting gauge	-	-	-	-	1	094-008262-00000	A3	30.85 €

Set PWH/PWM 100



- Consumables set for PWH 100 plasma torch
- Spare parts set, comprising:
 - 2 x back cap O-rings
 - 2 x retainer O-rings
 - 1 x collet chuck, 1.5 mm
 - 3 x seal for nozzle
 - Gas nozzle, short, 2 x 11 mm and 2 x 12 mm
 - Gas nozzle, long, 2 x 11 mm and 2 x 9.5 mm
 - 2 x insert tube 1.5 mm
 - 2 x gas lens, fine-pore
 - Plasma nozzle, 2 x 0.8 mm/2 x 1.0 mm/2 x 1.2 mm/2 x 1.4 mm/2 x 1.6 mm/2 x 1.8 mm
 - Plasma nozzle, long, 2 x 0.8 mm/2 x 1.0 mm/2 x 1.2 mm/2 x 1.4 mm/2 x 1.6 mm/2 x 1.8 mm
 - 4 x special tungsten electrode, 1.5 mm
 - 2 x electrode setting gauge
 - 1 x back cap
 - 1 x plasma nozzle, plus pole, AC 1.2 mm

Designation	Item no.	PG	Price
			Per unit
Consumables box, PWH/PWM 100	094-008270-00000	A3	619.50 €

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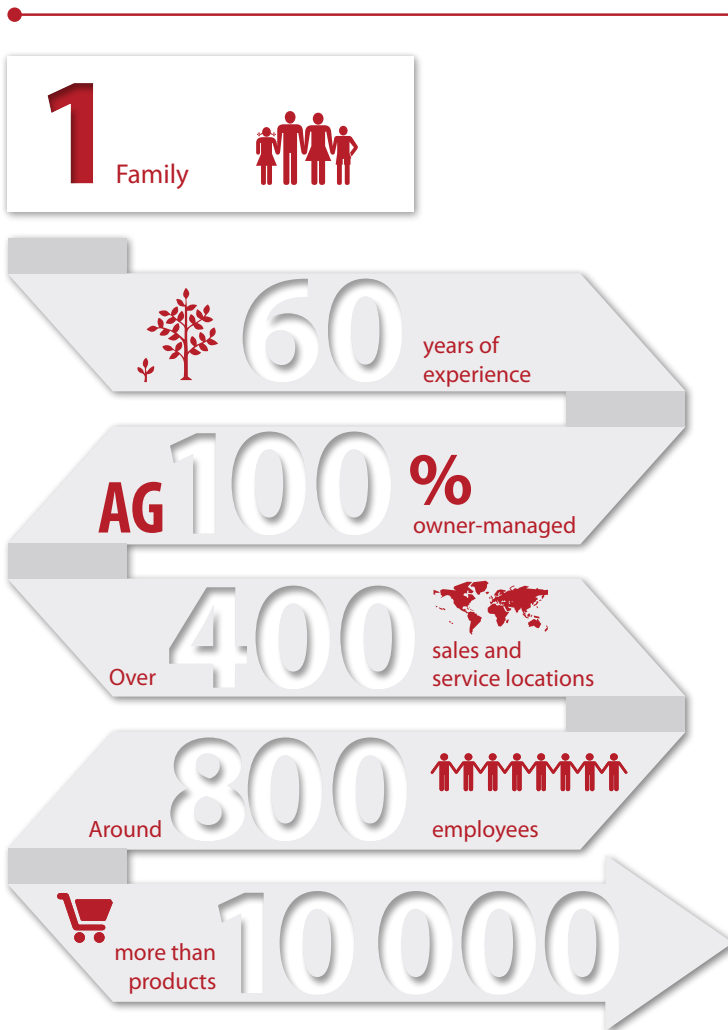
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