

Catalogue 2015/2016

Welding torches and accessories

A new dimension of welding

MULTIMATRIX®

/// Perfection is the Principle



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ewm welding torches

Technology which reduces costs while increasing quality

Gas- or water-cooled torches are part of our integrated system. Together with other ewm components and ewm's innovative welding procedures, they ensure that the full performance capability of the power sources goes into the welding process.

Extreme robustness and durability also reduce wear and the cost of spare parts. Whether it's manual welding or automation, **it all makes sense!**

MIG/MAG control system variants



U/DX¹⁾ 2U/DX¹⁾ PC1X¹⁾ PC2X¹⁾

¹⁾Optionally available with or without additional control cable

TIG control system variants



U/D Retox

MIG/MAG

Manual welding torches for the perfect result

Innovating to perfection: you will achieve optimum welding results with our welding torches and ewm's innovative welding procedures:

- / coldArc/coldArc puls
- / forceArc/forceArc puls
- / rootArc/rootArc puls
- / pipeSolution
- / Pulse

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

1	MT Series standard torches*	MT221/301/401G, MT301/451/551W
2	C Series replaceable neck*	MT221/301CG, MT301/451CW
3	S Series short neck*	MT451/551WS
4	L Series long neck*	MT451/551WL
5	Push/pull with replaceable neck (PP)*	PPMT301CG, PPMT301, 451CW
6	F Series Fume extraction torch	MT221G F, MT301/451W F

*Also available as function torch with control system

Your benefits

ewm system
MIG/MAG
MT torch

Perfect ergonomic design and balance

- / Elliptical grips reduce the effort needed to guide the torch. This lightweight, perfectly balanced and compact model with no interfering anti-kink mechanism ensures fatigue-free working.

Lightweight, ecologically friendly design

- / ewm function torches in the X Series do not require a control cable. This not only saves weight, but also conserves resources.

MIG/MAG

Automated welding torches
for automated processes

For automated production: our automated welding torches can be adjusted to each application on an individual basis. Combined with the ewm welding procedure, you will not only be flexible in your work, but also efficient.

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

7	AMT automated welding torches with different torch neck angles 0–45°	AMT301G AMT451/551W
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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 through to filigree plasma welding with ewm TIG and plasma torches.

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

8	TIG*
9	Plasma
10	spotArc welding torch , spot and tack welding
11	tigSpeed welding torch , hot wire/cold wire for cold and hot wire welding

*Also available as function torch with control system

Automated welding torch, gas- and water-cooled:

12	TIG/plasma welding torch
-----------	---------------------------------



Design

es
not
ves

Save resources and protect the environment

- / The long-lasting ewm M7/M9 contact tips with a long service life impress with their transition-free wire guide, less abrasion and reliable contact tip contact (and thus less spatter and fewer emissions).



Simply order at
www.ewm-sales.com

Special welding torches tailored to your application



MIG/MAG



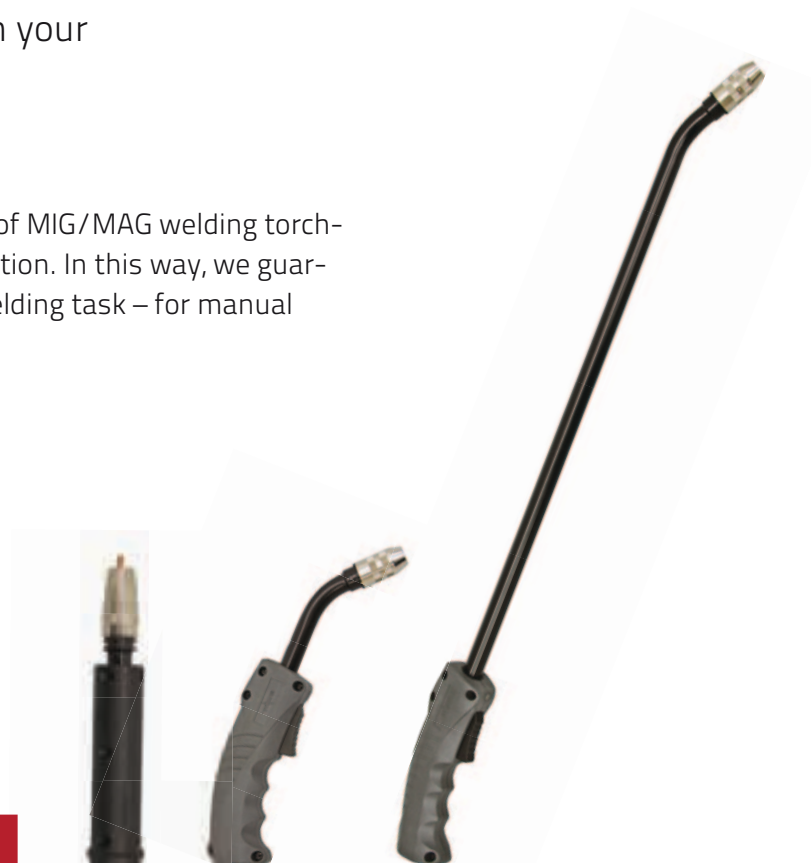
TIG



Plasma

We build the welding torch to match your application

In addition to our in-house series production of MIG/MAG welding torches, we build the welding torch for your application. In this way, we guarantee you the optimal component for your welding task – for manual and automated welding.



Your benefits

- / Special torches – Welding torches tailored to your application
- / Own consumables guarantee long service life and best integration into the welding system

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



Your benefits

Task:

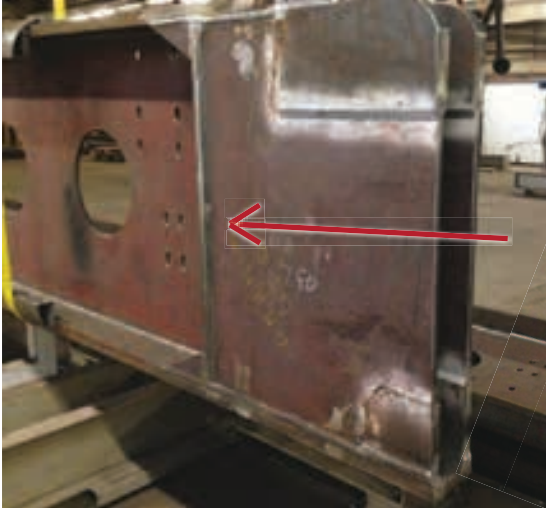
- / Welding inside steel structures

ewm solution:

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

Customer benefit

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



Task:

- / Reduced 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 due to separate exchange of the gas nozzle tip
- / Other consumables are standard MT consumables



Task:

- / 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



The EWM MT series



MIG/MAG

Full performance

of the innovative EWM welding processes (forceArc, coldArc, pulse) can only be guaranteed with the MT torch series.



Highest quality for increased competitiveness

The gas- or water-cooled MIG/MAG welding torches are part of our integrated system. They are coordinated with all other EWM components, and this combination ensures that the full performance capability of the power sources goes into the welding process. Extreme robustness and durability reduce wear and the cost of spare parts. It all counts!

At a glance

- / Wide product range: from gas-cooled or replaceable-neck torches through to fume extraction torches.
- / Extremely robust and durable: the EWM M7/M9 contact tips have a particularly high service life.
- / Perfect ergonomics and balance: elliptical grips reduce the effort needed to guide the torch.

Perfect weld seams without spatter or rework



At a glance

Low-fatigue operation – thanks to lighter, more flexible and perfectly balanced welding torches

- / The weight of the complete welding torch has been reduced through the innovative hose package and redesign of the torch necks
- / Compact design, no annoying kink protection
- / Perfect ergonomics and balance: elliptical grips for minimal effort when guiding the welding torch

High service life – through robust, durable M7/M9 contact tips

- / Improved heat and power transfer through the 30% larger material cross-section compared to standard M6/M8 contact tips, longer contacting surface and conical fit of the contact tip.
- / High power reserves mean less wear

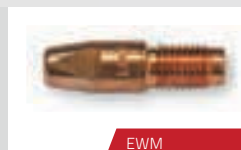


1 Long contacting surface

2 30 % larger cross-section in the thread undercut

3 Conical fit

4 Bore to house the liner



EWM



STANDARD



Increased quality through the minimisation of errors

- / Transfer-free wire guide from torch connection through to the contact tip
- / Excellent, laminar shielding gas coverage
- / Secure contact with the contact tip
- / Optimum cooling and better heat dissipation of the consumables
- / Screwed gas nozzle provides secure hold



INCREASED REVENUES ✓

REDUCED COSTS ✓

For lower costs and higher revenues

- / With EWM welding torches you will save on shielding gas, consumables and valuable working time. Produce flawless weld seams with minimal spatter or rework.



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 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

The right welding torch for every application.



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-grade Maxon motor
- / Self-inking
- / Optional pistol grip
- / Colour-coded wire feed rollers
- / Plug&play with EWM machines
- / Several control variants
- / Remote control function



MT GF/WF

- / Welding torch with fume extraction
- / Significantly reduces emissions in the ambient air
- / Continuously adjustable extraction rate regulation
- / 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



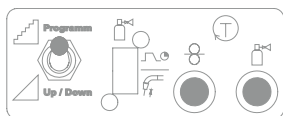
MT301W	MT451W/WS/WL	MT551W/WS/WL	Type
Standard or function torch			Operating variants
MT301CW	MT451CW	-	Replaceable torch neck "C"
MT301W F	MT451W F	-	Fume extraction torch "F"
-	AMT451W	AMT551W	Automated welding torch "A"
Water-cooled "W"	Water-cooled "W"	Water-cooled "W"	Cooling
330 A at 100% DC	500 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 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**

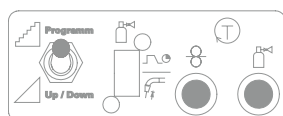
- / Setting of:
Welding current or wire
feed speed



- / Or program^{*2)}

**2 Up/Down**

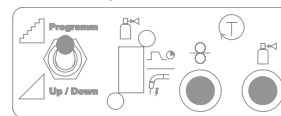
- Setting of:
/ Welding current or wire feed
speed
/ Voltage correction



- / Or program^{*2)}

**PC 1**

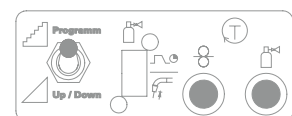
- Setting and display of:
/ Welding current or wire
feed speed^{*1)}



- / Or program^{*2)}

**PC 2**

- Setting and display of:
/ Welding current or wire feed
speed
/ Welding voltage correction^{*1)}



- / Or program and JOB^{*2)}

^{*1)} Display depends on welding machine^{*2)} Depends on switch setting on the wire feeder

Accessories for narrow gap welding and for positional welding



MIG/MAG welding

- / Better accessibility for root welding and positional welding
- / Reduction in the included angle in conjunction with ewm forceArc®
- / Cylindrical nozzle shape:
 - / With exchangeable gas nozzle tip (only one cost-effective consumable)
 - / Isolated built-on gas nozzle tip
 - / Rugged structure thanks to a centred contact tip (less spatter built ups, less wear)

For narrow gap welding, gas nozzles in conical, cylindrical and bottle neck shape are available.



Conical nozzle shape (Pos. 1.1)



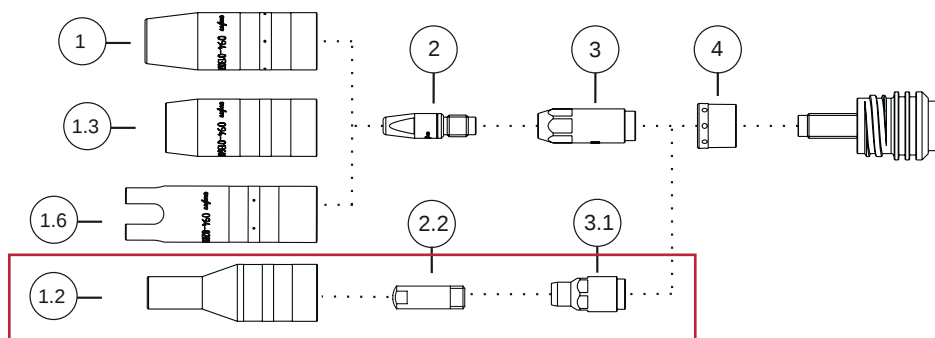
Cylindrical nozzle shape, fully assembled
(Pos. 1.4; 1.5; 2.1; 5; 6)



Bottle neck shaped
(Pos. 1.2)

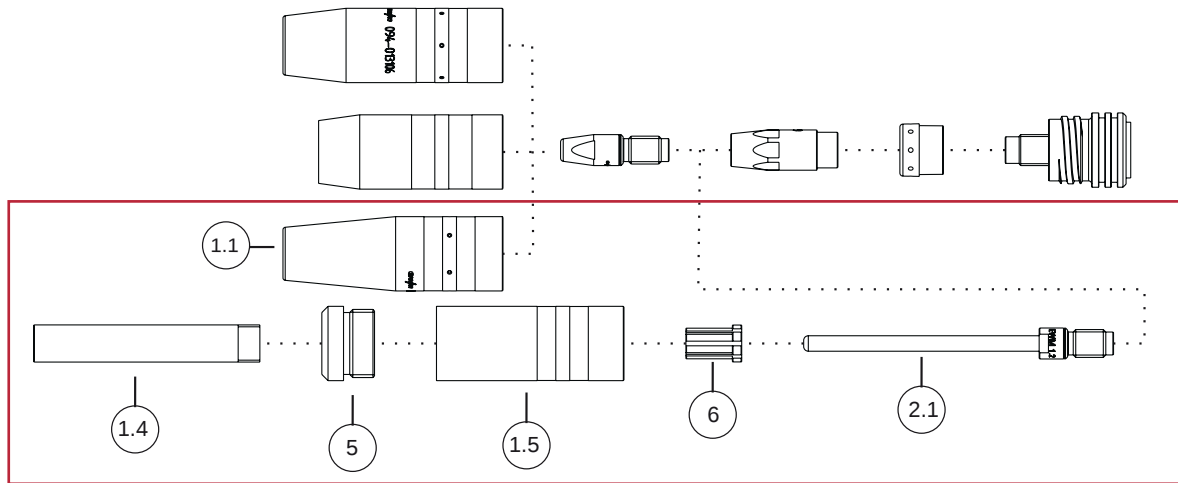


Narrow gap welding with welding torches MT221G/MT301W



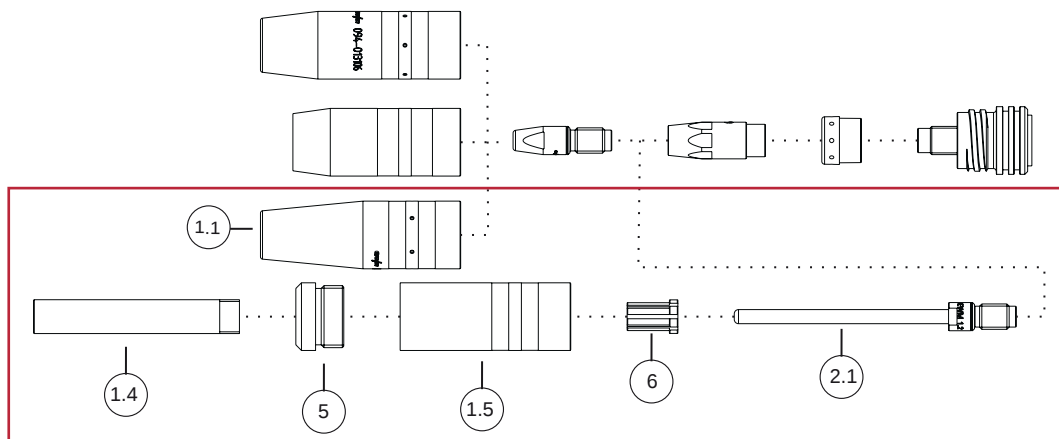
Item	Description	Ø Nozzle mm	Ø Wire mm	Threads	Length mm	Packing unit Pc.	Item no.		
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	2	094-020136-00000		
2.2	Contact tip	-	0.6	M6	25	10	094-005403-00000		
2.2	Contact tip	-	0.8	M6	25	10	094-020689-00000		
2.2	Contact tip	-	1	M6	25	10	094-020690-00000		
2.2	Contact tip	-	0.6	M6	25	10	094-020691-00000		
2.2	Contact tip	-	0.8	M6	25	10	094-020692-00000		
2.2	Contact tip	-	0.9	M6	25	10	094-020693-00000		
2.2	Contact tip	-	1	M6	25	10	094-020694-00000		
2.2	Contact tip, aluminium welding	-	0.6	M6	25	10	094-020695-00000		
2.2	Contact tip, aluminium welding	-	0.8	M6	25	10	094-020696-00000		
2.2	Contact tip, aluminium welding	-	0.9	M6	25	10	094-020697-00000		
2.2	Contact tip, aluminium welding	-	1	M6	25	10	094-020698-00000		
3.1	Contact tip holder	-	-	M6	30.5	10	094-020562-00000		

Narrow gap welding with welding torches MT301G/MT451W



Item	Description	Ø Nozzle	Ø Wire	Threads	Length	Packing unit	Item no.
		mm	mm		mm	Pc.	
1.1	Gas nozzle, conical, narrow gap welding	13	-	-	71	10	094-019853-00001
1.4	Gas nozzle for narrow gap welding	-	-	-	73	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	10	094-019623-00000
2.1	Contact tip for narrow gap welding	-	0,8	M9	-	10	094-021189-00000
2.1	Contact tip for narrow gap welding	-	1,0	M9	-	10	094-019616-00000
2.1	Contact tip for narrow gap welding	-	1,2	M9	-	10	094-019617-00000
2.1	Contact tip for narrow gap welding	-	1,4	M9	-	10	094-020019-00000
2.1	Contact tip for narrow gap welding	-	1,6	M9	-	10	094-019618-00000
5	Insulation part	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	15	10	094-019627-00000

Narrow gap welding with welding torches MT401G/MT551W



Item	Description	Ø Nozzle	Ø Wire	Threads	Length	Packing unit	Item no.
		mm	mm		mm	Pc.	
1.1	Gas nozzle, conical, narrow gap welding	13	-	-	63	10	094-019702-00000
1.4	Gas nozzle for narrow gap welding	-	-	-	73	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	10	094-019624-00000
2.1	Contact tip for narrow gap welding	-	0,8	M9	-	10	094-021189-00000
2.1	Contact tip for narrow gap welding	-	1,0	M9	-	10	094-019616-00000
2.1	Contact tip for narrow gap welding	-	1,2	M9	-	10	094-019617-00000
2.1	Contact tip for narrow gap welding	-	1,4	M9	-	10	094-020019-00000
2.1	Contact tip for narrow gap welding	-	1,6	M9	-	10	094-019618-00000
5	Insulation part	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	15	10	094-019627-00000

1



Patented* cooling system,
interior insulation, inner tube
made of CuCr1Zr

* EP 2407268 B1

2



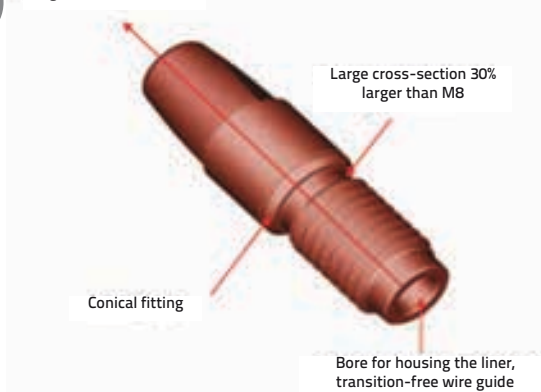
Parallel double circuit cooling:
4 conduits in inside cooling circuit
Shielding gas conduit and insulation (white)
8 conduits in outside cooling circuit

3

Consumables made of CuCr1Zr

4

Long contact surface

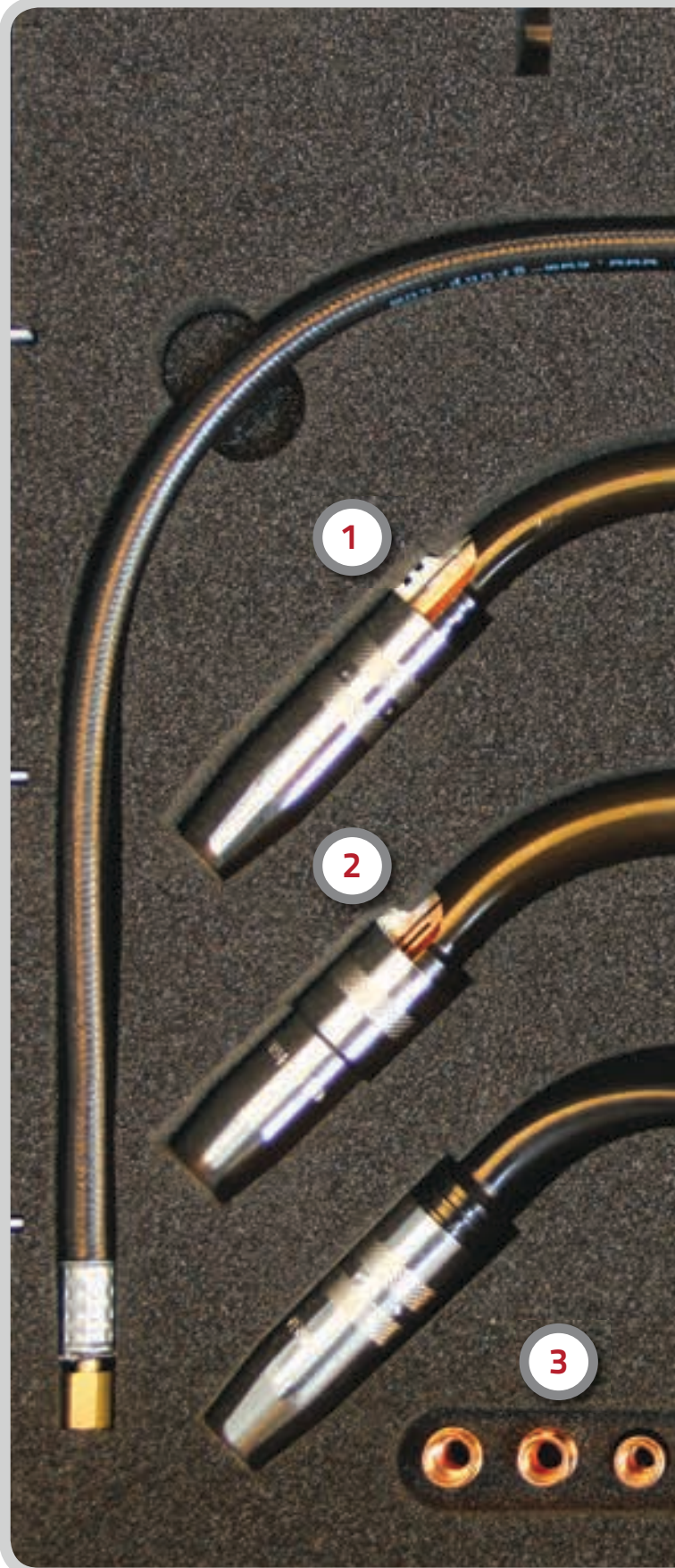


5

Conical fit for replaceable neck
welding torches CG & CW

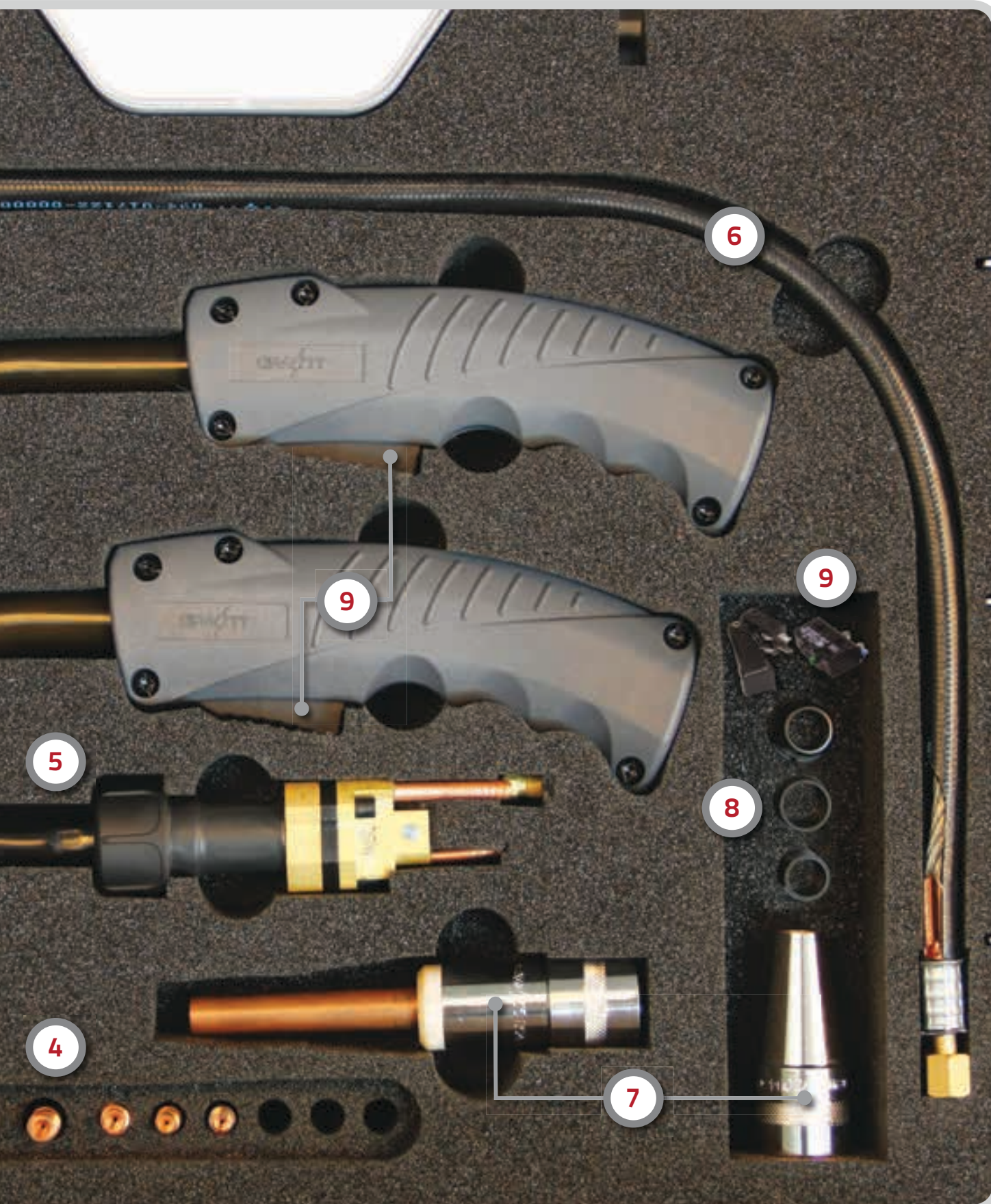
6

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 reinforced, high-temperature-resistant special plastic

9 ewm micro-switch 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)

To set:

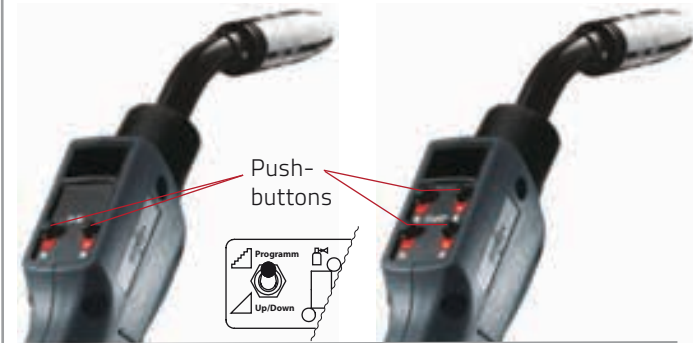
- Welding current or wire feed speed
- Program

3

2 x up/down (2U/D)

To set:

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



4

Powercontrol 1 (PC1)

To set:

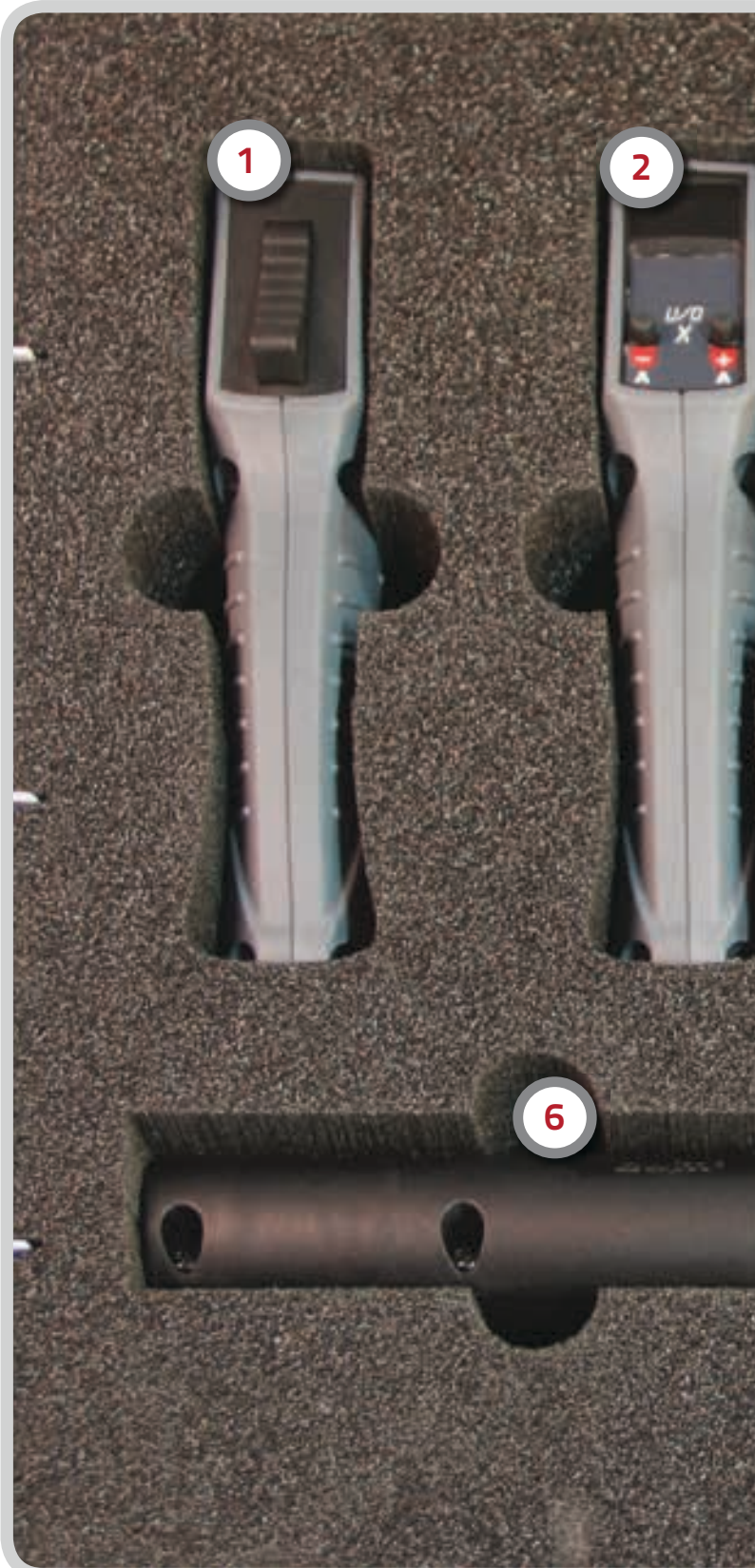
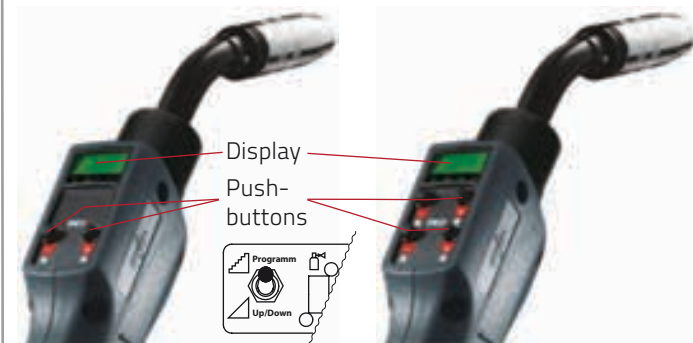
- Welding current or wire feed speed
- Program

5

Powercontrol 2 (PC2)

To set:

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



2

...

5

With X technology



3

4

5

Perfectly balanced -> directly in welding position



Without X technology

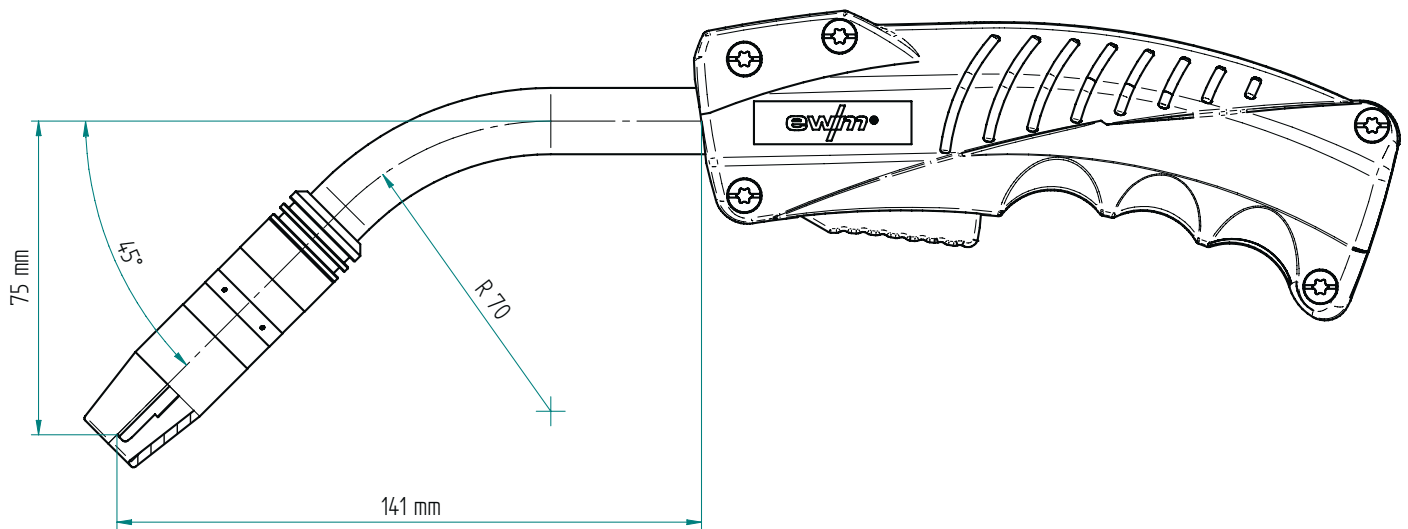


6

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

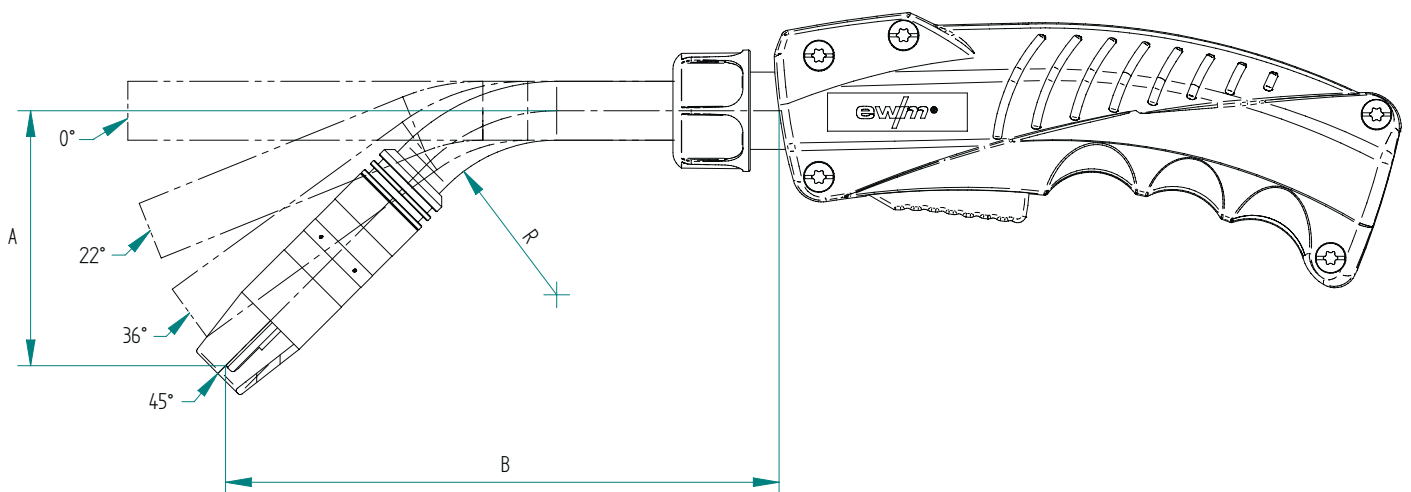


■ **MT221G (standard)**



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

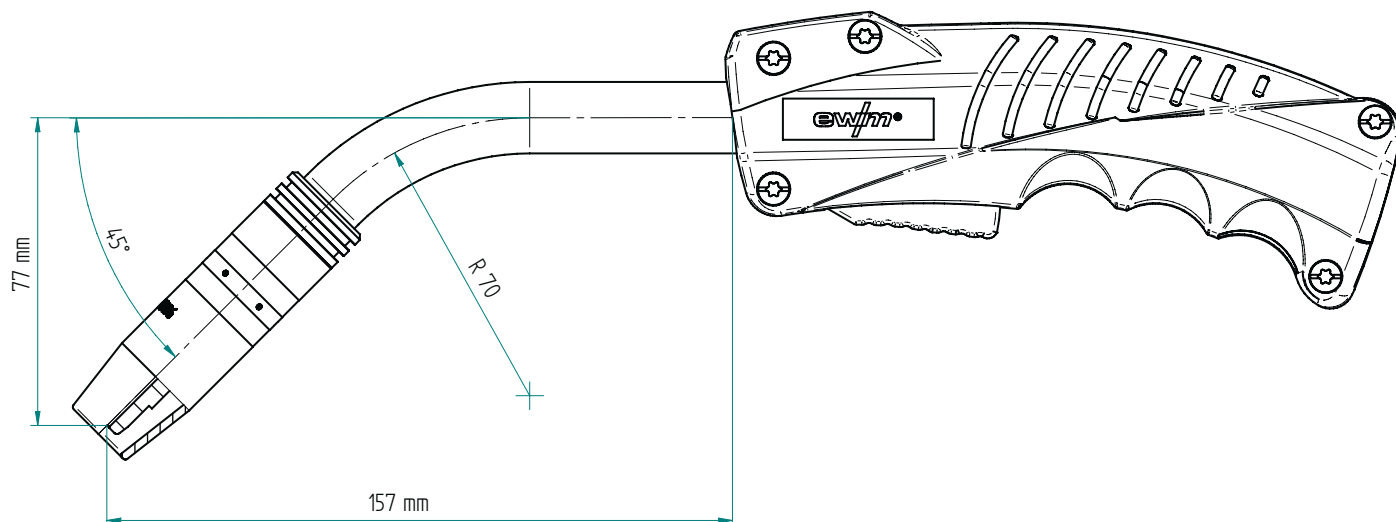
■ **MT221CG (replaceable neck)**



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

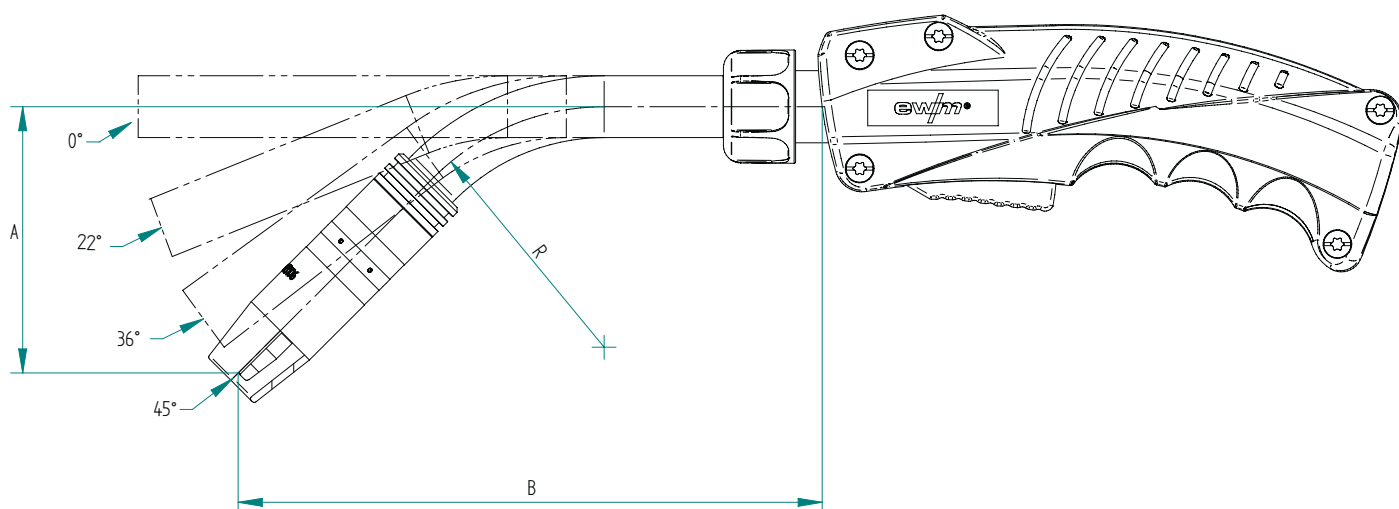


■ MT301G (standard)



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

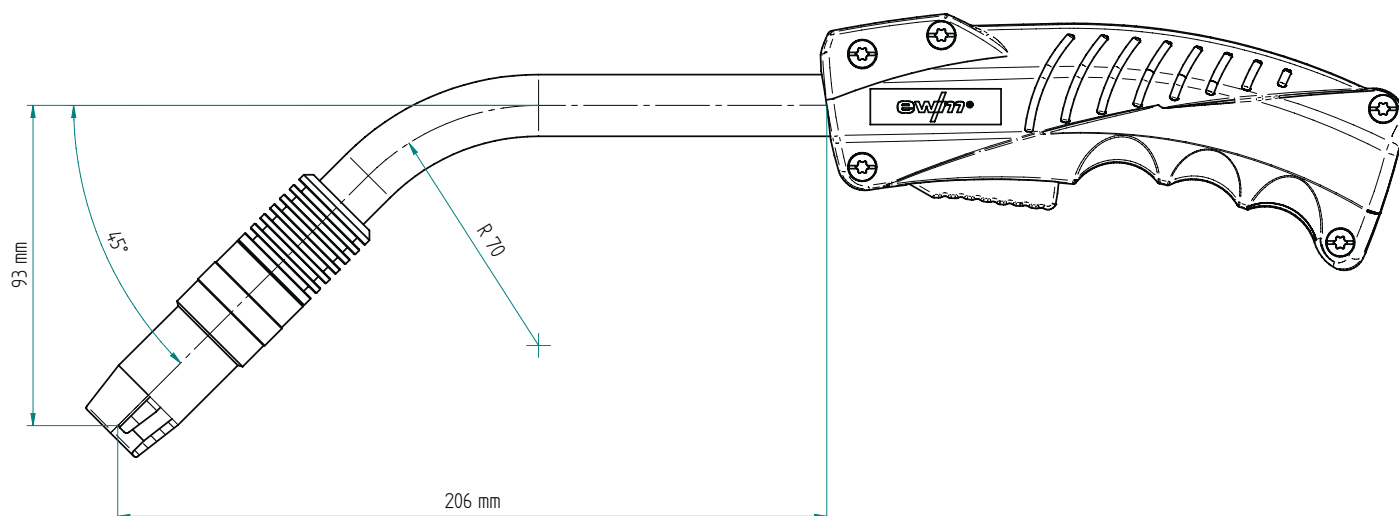
■ MT301CG (replaceable neck)



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

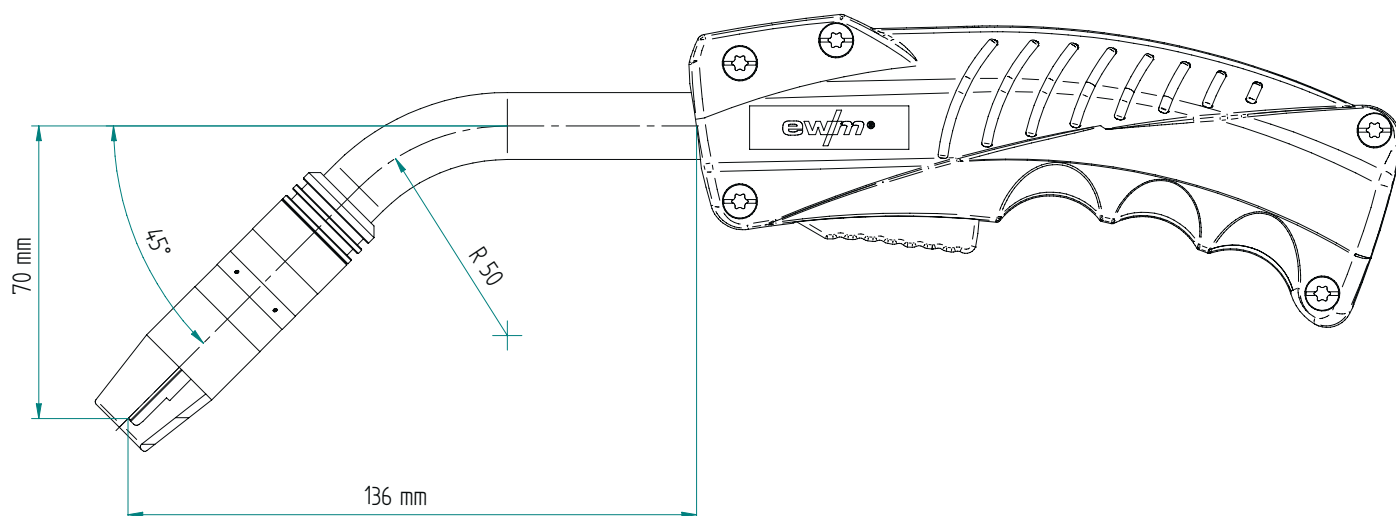


■ **MT401G (standard)**



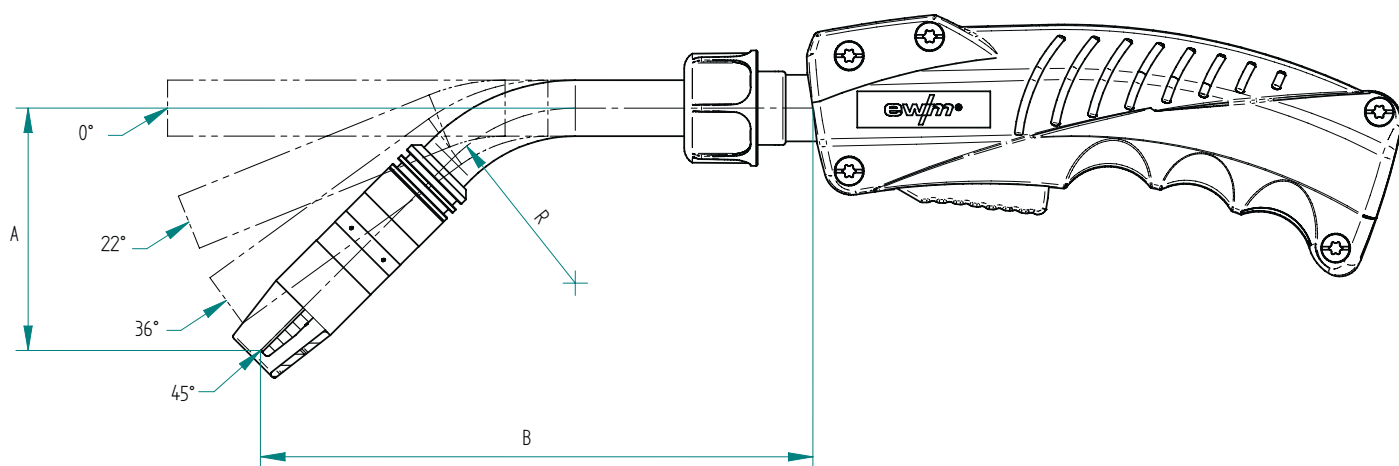
	MT401G
Torch neck length	206 mm
Torch neck bend angle	45°
Radius	70
Torch neck height	93 mm

■ MT301W (standard)



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

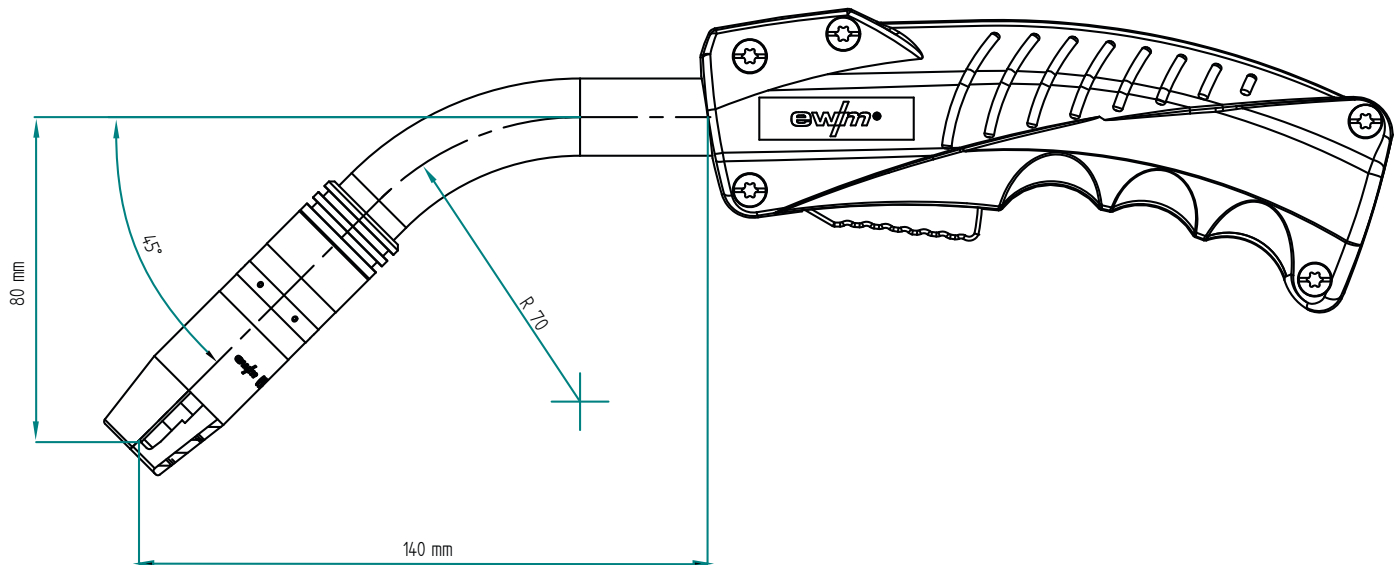
■ MT301CW (replaceable neck)



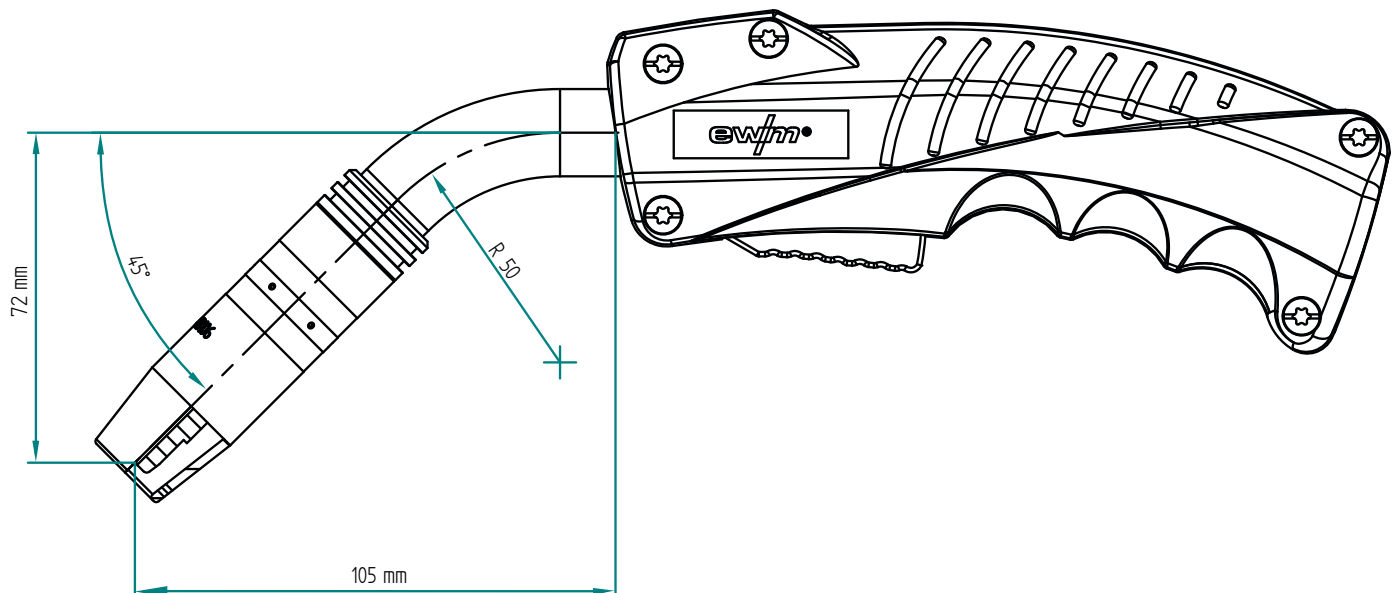
Angle	R	A	B
45°	50	70 mm	158 mm
36°	50	55 mm	167 mm
22°	50	32 mm	178 mm
0°	-	0 mm	184 mm



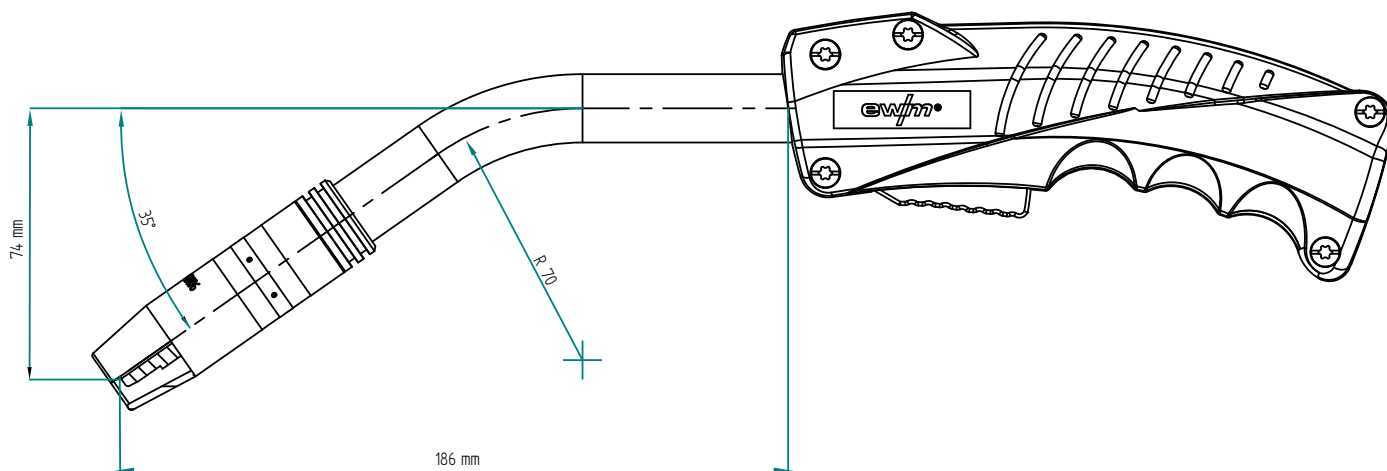
■ **MT451W (standard)**



■ **MT451WS (short torch neck)**

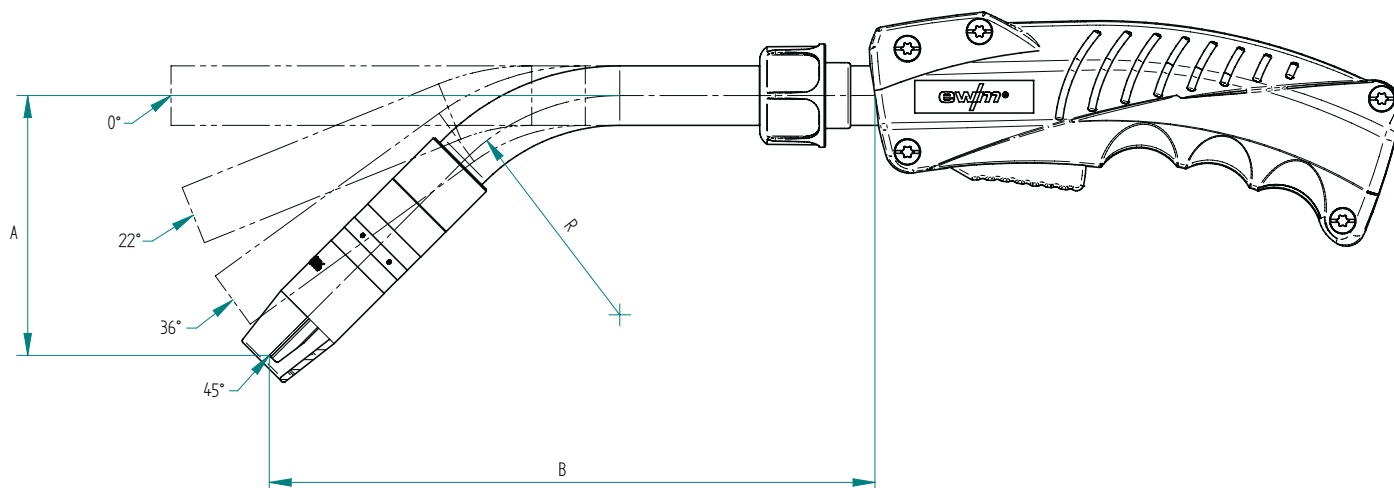


■ MT451WL (long torch neck)



	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

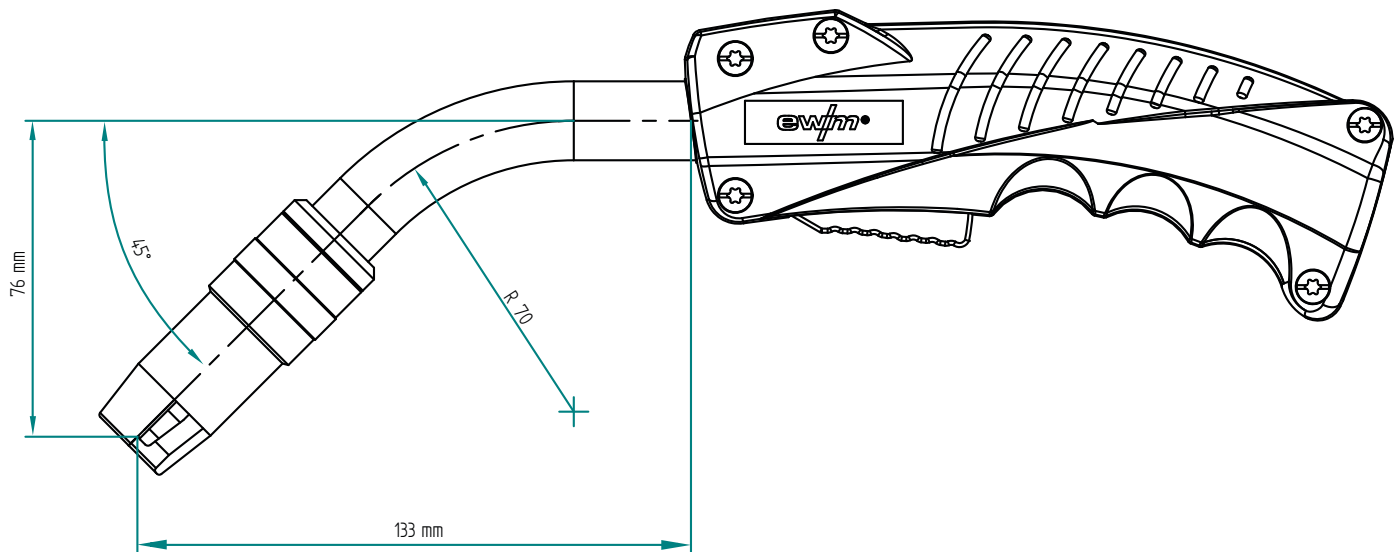
■ MT451CW (replaceable neck)



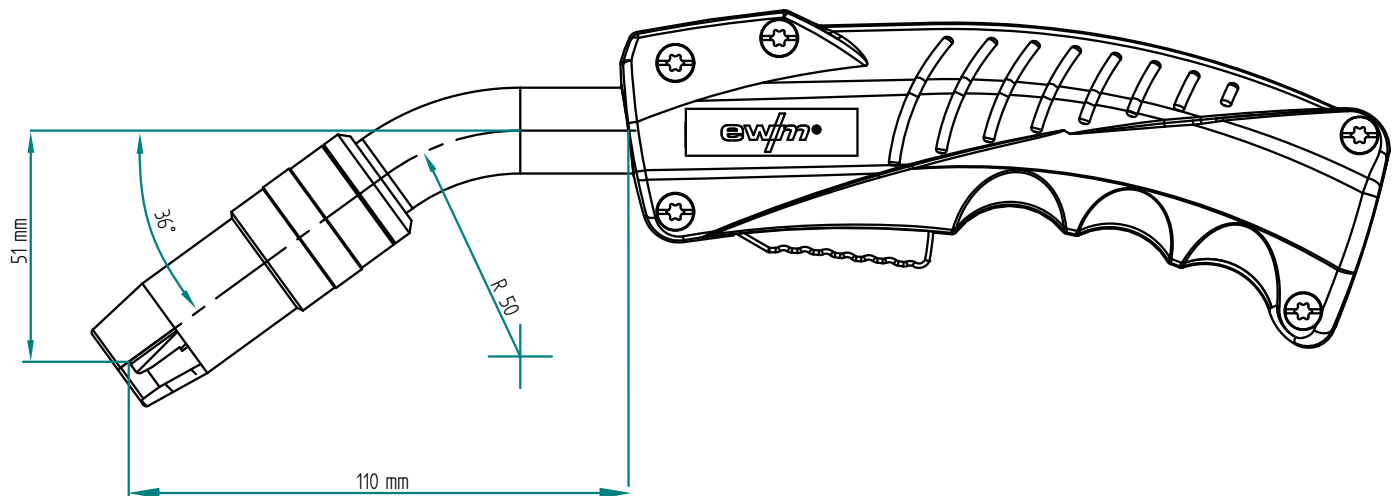
Angle	R	A	B
45°	70	83 mm	193 mm
36°	70	65 mm	205 mm
22°	70	38 mm	217 mm
0°	-	0 mm	225 mm



■ **MT551W (standard)**

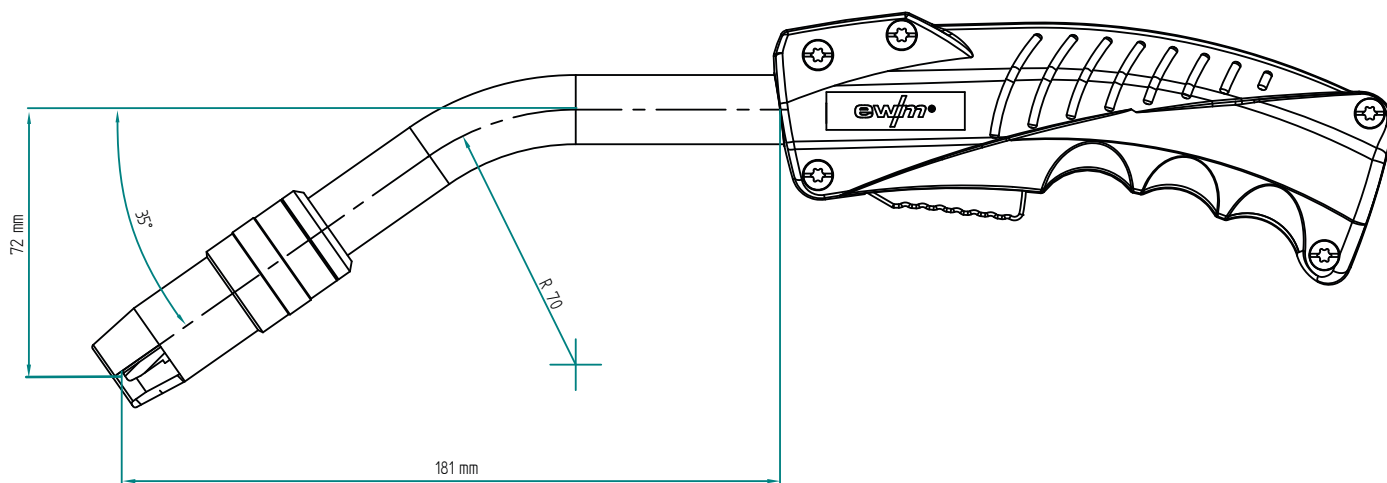


■ **MT551WS (short torch neck)**





■ 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



■ **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⁾**



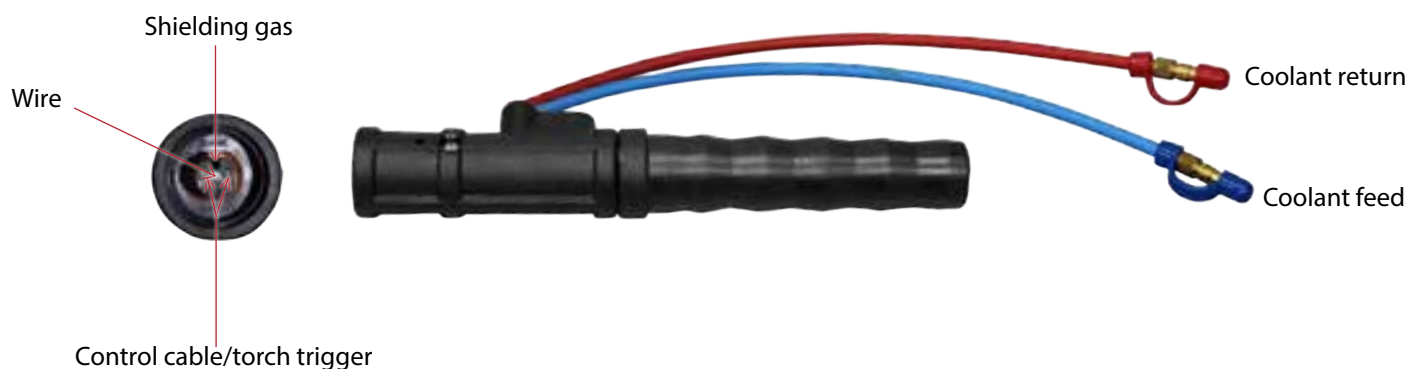
■ **FZA WA, version with external coolant supply³⁾**



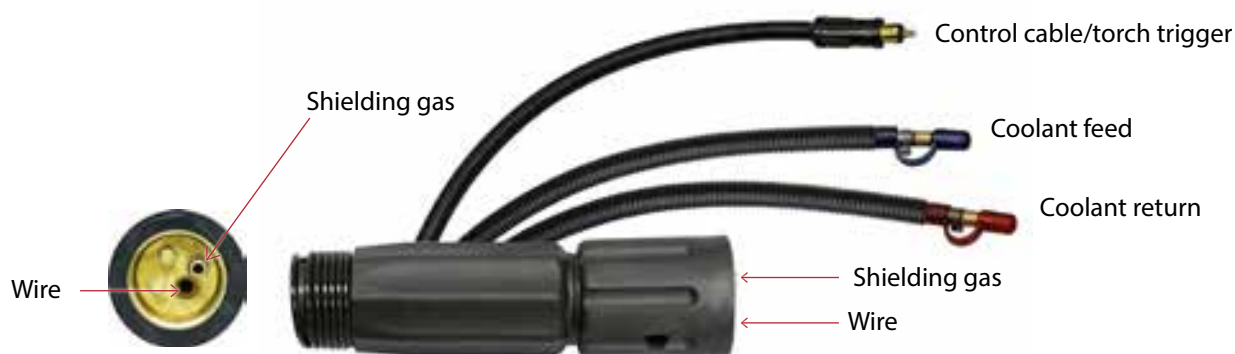
! Use all FZA connections in conjunction with the corresponding steel liners only:

Item	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

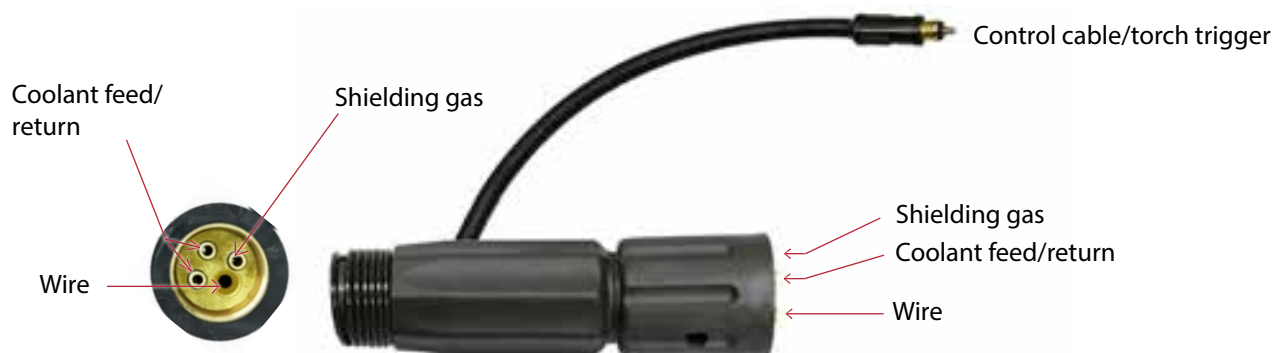
■ DZA WA⁴⁾



■ CZA WA, version with external coolant supply⁵⁾



■ CZA WI, version with internal coolant supply⁶⁾



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

The use of capillary or guide tubes ensures optimal wire guidance from the spool to the weld pool.

If welding torches and the Euro torch connector are not equipped to match the wire electrode used, problems will arise with wire feeding:

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

This is why either a plastic liner or steel liner with a compatible inner diameter must be used in the welding torch and a capillary tube or guide tube in the welding machine's Euro torch connector, depending on the wire electrode diameter and wire electrode type.

Recommendation:



- Use a steel liner to weld hard, unalloyed wire electrodes (steel).
- Use a plastic liner to weld or braze soft or alloy wire electrodes.

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!

Use on wire feeders and compact welding machines without eFeed wire feed mechanism

Machine series	Capillary tubes		Guide tube	
	094-006634-00000 (≤ 1.6 mm Ø) 094-021470-00000 (≤ 2.4 mm Ø)	094-014186-00000 (≤ 1.6 mm Ø)	094-006051-00000	
Compact machines (machines with integrated wire feed mechanism)				
Phoenix/Taurus xx5	094-014667-00000 (< 2.0 mm Ø)			094-018316-00000
Phoenix/Taurus xx1	●		●	
Mira		●		094-019350-00000
Saturn	●		●	
Wega	●		●	
Picomig 180	094-014667-00000 (< 2.0 mm Ø)			094-018316-00000
Machines	Capillary tubes		Guide tube	
	094-006634-00000 (≤ 1.6 mm Ø) 094-021470-00000 (≤ 2.4 mm Ø)	094-002559-00000 (≤ 1.6 mm Ø) 094-007515-00000 (≤ 2.0 mm Ø)	094-006051-00000	094-001064-00000
Wire feeders				
drive 4L/41L		●		●
drive 4/41	●		●	
drive 200C	094-014667-00000 (≤ 2.0 mm Ø)			094-018316-00000
drive 300C		●		●

Use on wire feeders with eFeed wire feed mechanism

Affects machines of the following series:

- / drive 4X Expert 2.0
- / drive 4X HP
- / drive 4X LP
- / drive 4 Basic
- / drive 4X IC HP
- / drive 4X IC LP
- / drive 4 IC Basic



Capillary tube for EWM welding torches	Guide tube for plastic liner
Wires ≤ 1.6 mm: 094-006634-00000	Wires ≤ 1.6 mm: 094-020064-00000
Wires ≤ 2.4 mm: 094-021470-00000	Wires ≤ 2.4 mm: On request
Wires ≥ 2.4 mm: On request	Wires ≥ 2.4 mm: On request

Use on compact welding machines with eFeed wire feed mechanism

Affects machines of the following series:

- / Picomig 185/305
- / alpha Q 330 puls
- / Phoenix/Taurus 355 LP/HP
- / Taurus 351 LP/HP
- / Phoenix/Taurus 401/501 LP/HP



Capillary tube for EWM welding torches	Guide tube for plastic liner
Wires ≤ 1.6 mm: 094-006634-00000	Wires ≤ 1.6 mm: 094-020064-00000
Wires ≤ 2.4 mm: 094-021470-00000	Wires ≤ 2.4 mm: On request
Wires ≥ 2.4 mm: On request	Wires ≥ 2.4 mm: On request

Overview of capillary/guide tubes for machines/wire feeders without eFeed

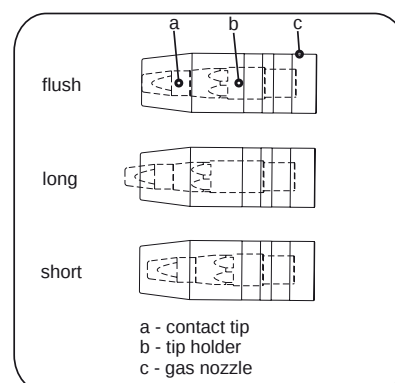
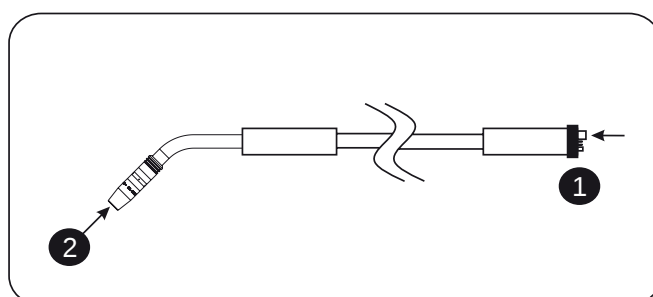
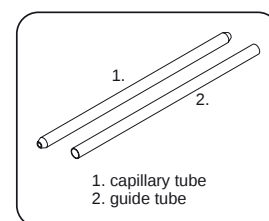
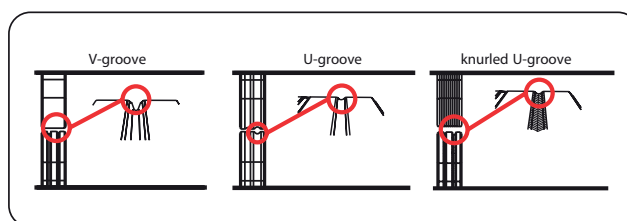
Use and assignment of different capillary tubes and guide tubes

Euro torch connectors on our machines are fitted with a capillary tube for welding torches with a steel liner ex works. The Euro torch connector needs to be modified accordingly if a welding torch with a liner is used!

Operate welding torches with liners with a guide tube in the Euro torch connector!

Operate welding torches with steel liners with a capillary tube in the Euro torch connector!

		Capillary tubes		Guide tube	
Machine series	094-006634-00000 (≤ 1.6 mm Ø) 094-021470-00000 (≤ 2.4 mm Ø)	094-014186-00000 (≤ 1.6 mm Ø)	094-006051-00000		
Compact machines (machines with integrated wire feed mechanism)					
Phoenix/Taurus xx5	094-014667-00000 (< 2.0 mm Ø)			094-018316-00000	
Phoenix/Taurus xx1	●		●		
Mira		●		094-019350-00000	
Saturn	●		●		
Wega	●		●		
Picomig 180	094-014667-00000 (< 2.0 mm Ø)			094-018316-00000	
		Capillary tubes		Guide tube	
Machines	094-006634-00000 (≤ 1.6 mm Ø) 094-021470-00000 (≤ 2.4 mm Ø)	094-002559-00000 (≤ 1.6 mm Ø) 094-007515-00000 (≤ 2.0 mm Ø)	094-006051-00000	094-001064-00000	
Wire feeders					
drive 4L/41L		●		●	
drive 4/41	●		●		
drive 200C	094-014667-00000 (≤ 2.0 mm Ø)			094-018316-00000	
drive 300C		●		●	



■ Recommended equipment for machines/wire feeders without eFeed

	Material	Dia- meter wire	Contact tip	Dimension liner	Liner	Length brass spiral	Wire guide equipment	Tip holder	Wire feed roller	
GMAW Solid Wire	Un-alloyed	0,8	EWM CuCrZr	1,5 x 4,0	Steel liner insulated		1 Euro torch connector	short	V groove	capillary tube
		1,0		1,5 x 4,0						
		1,2		2,0 x 4,0						
		1,6		2,4 x 4,5						
	Medium-alloyed	0,8	EWM CuCrZr	1,5 x 4,0	PA combi liner	200 mm	Euro torch connector	long	V groove	guide tube
		1,0		1,5 x 4,0						
		1,2		2,0 x 4,0						
		1,6		2,3 x 4,7						
	Hardfacing	0,8	EWM CuCrZr	1,5 x 4,0	PA combi liner	200 mm	Euro torch connector	long	V groove	guide tube
		1,0		1,5 x 4,0						
		1,2		2,0 x 4,0						
		1,6		2,3 x 4,7						
	Stainless Steel	0,8	EWM CuCrZr	1,5 x 4,0	PA combi liner	200 mm	Euro torch connector	long	V groove	guide tube
		1,0		1,5 x 4,0						
		1,2		2,0 x 4,0						
		1,6		2,3 x 4,7						
	Aluminium	0,8	EWM Alu E-Cu	1,5 x 4,0	PA combi liner	30 mm	2 Torch neck	long	U groove	guide tube
		1,0		1,5 x 4,0						
		1,2		2,0 x 4,0						
		1,6		2,3 x 4,7						
	Copper	0,8	EWM CuCrZr	1,5 x 4,0	PA combi liner	200 mm	Euro torch connector	long	V groove	guide tube
		1,0		1,5 x 4,0						
		1,2		2,0 x 4,0						
		1,6		2,3 x 4,7						
FCAW Flux Cored Wire	Un-alloyed	0,8	EWM CuCrZr	1,5 x 4,0	Steel liner insulated		Euro torch connector	short	knurled U groove	capillary tube
		1,0		1,5 x 4,0						
		1,2		2,0 x 4,0						
		1,6		2,4 x 4,5						
	Stainless Steel	0,8	EWM CuCrZr	1,5 x 4,0	PA combi liner	200 mm	Euro torch connector	short	knurled U groove	guide tube
		1,0		1,5 x 4,0						
		1,2		2,0 x 4,0						
		1,6		2,3 x 4,7						

■ MT function torches in the X series

- / Safe and robust
- / No longer needs an inconvenient additional control cable
- / Compatible with all EWM machines with MULTIMATRIX technology
- / MT function torch without X technology compatible with all EWM machines

With X technology



Without X technology



■ Symbols and abbreviations for MIG/MAG welding torches



19-pole torch connection



Long torch hose package



Thread diameter



Control cable connection

2U/D	2x up/down control
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
PC1	Powercontrol 1 control
PC2	Powercontrol 2 control
PP	Push-pull
U/D	Up/down control
W	Water cooled
W F	Water cooled with fume extraction
WS	Water cooled, short torch neck
WL	Water cooled, long torch neck



Overview

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	MT301CG Up/Down	56
	MT301CG Powercontrol	58
	MT401G	60
	MT401G Up/Down	62
	MT401G Powercontrol	64
	MT301W	66
	MT301W Up/Down	68
	MT301W Powercontrol	70
	MT301CW	72
	MT301CW Up/Down	74
	MT301CW Powercontrol	76
	MT301W F	78
	MT451W	80
	MT451W Up/Down	82
	MT451W Powercontrol	84
	MT451WS	86
	MT451WS Up/Down	88
	MT451WS Powercontrol	90
	MT451WL	92
	MT451WL Up/Down	94
	MT451WL Powercontrol	96
	MT451CW	98
	MT451CW Up/Down	100
	MT451CW Powercontrol	102
	MT451W F	104
	MT551W	106
	MT551W Up/Down	108
	MT551W Powercontrol	110
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All MT torches are equipped with a Euro torch connector as standard. Other connectors available ex works on request.



■ MT221G

■ MT221G

Equipment ex works (steel wire):

- 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

- Gas-cooled MIG/MAG welding torch
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °

MT221G

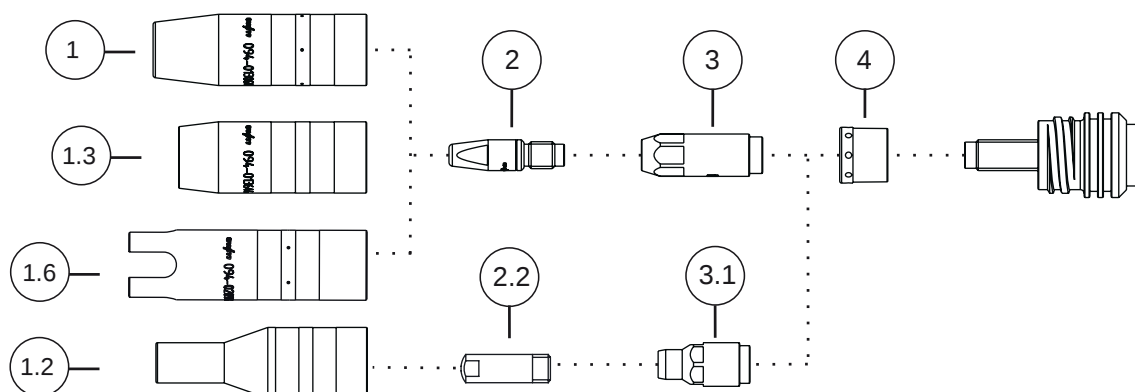


Designation			Item no.		
		m			
		3	094-500050-00000		
MIG/MAG welding torch, gas-cooled	M7	4	094-500050-00004		
		5	094-500050-00005		



Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001		
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001		
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001		
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	2	094-020136-00000		
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000		
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000		
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000		
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000		
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000		
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000		
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000		
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000		
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000		
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000		
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000		
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000		
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000		
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000		
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000		
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000		
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000		
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000		
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000		
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000		
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000		
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002		
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002		
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000		
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

Product details

Steel liners / Liners

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■ MT221G Up/Down

■ MT221G U/DX

■ MT221G 2U/DX

Equipment ex works (steel wire):

- 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

- Gas-cooled MIG/MAG function torch
- Programs can also be optionally selected
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °

MT221G U/DX /// MT221G U/D



- Setting the wire feed speed
- For alpha Q, Phoenix and Taurus Synergic S
- Torches without X technology are suitable for Picomig 305 machines

Designation				Item no.		
		m				
MIG/MAG welding torch, up/down, gas cooled, with X Technology	M7	3		094-500116-00200		
		4	–	094-500116-00204		
		5		094-500116-00205		
MIG/MAG welding torch, up/down, gas cooled		3		094-500050-00200		
		4		094-500050-00204		
		5		094-500050-00205		

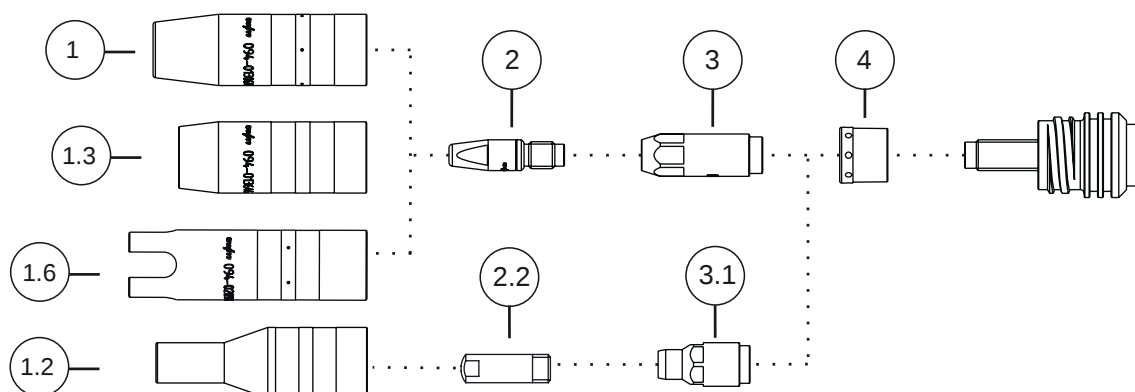
MT221G 2U/DX /// MT221G 2U/D



- Setting wire-feed speed and welding voltage or correcting the voltage
- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
MIG/MAG welding torch, 2 up/down, gas cooled, with X Technology	M7	3		094-500116-00300		
		4	–	094-500116-00304		
		5		094-500116-00305		
MIG/MAG welding torch, 2 up/down, gas cooled		3		094-500050-00300		
		4		094-500050-00304		
		5		094-500050-00305		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001		
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001		
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001		
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	2	094-020136-00000		
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000		
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000		
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000		
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000		
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000		
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000		
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000		
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000		
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000		
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000		
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000		
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000		
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000		
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000		
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000		
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000		
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000		
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000		
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000		
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000		
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000		
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002		
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002		
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000		
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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Steel liners / Liners

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■ MT221G Powercontrol

■ MT221G PC1X

■ MT221G PC2X

Equipment ex works (steel wire):

- 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

- Gas-cooled MIG/MAG function torch
- For alpha Q, Phoenix and Taurus Synergic S
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °

MT221G PC1X /// MT221G PC1



- Display and setting of wire feed speed
- Programs can also be optionally selected

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 1, gas cooled, with X Technology	M7	3		094-500116-00400		
		4	–	094-500116-00404		
		5		094-500116-00405		
MIG/MAG welding torch, Powercontrol 1, gas cooled		3		094-500050-00400		
		4		094-500050-00404		
		5		094-500050-00405		

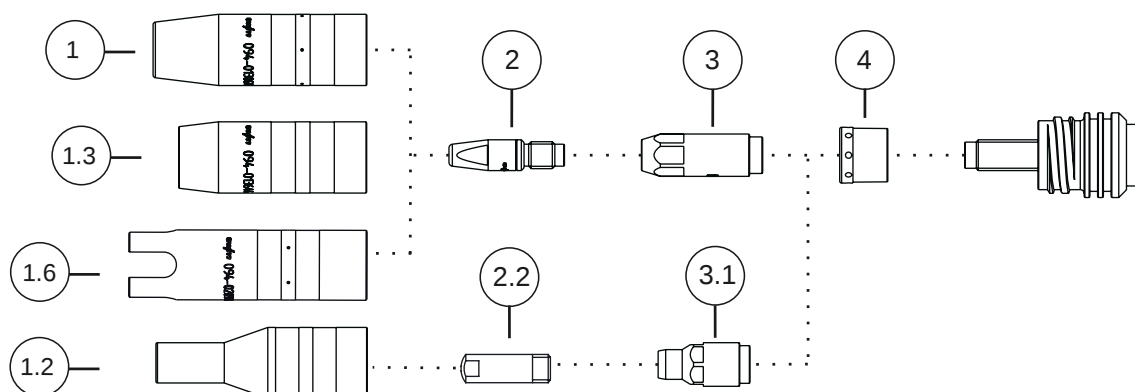
MT221G PC2X /// MT221G PC2



- Display and setting of wire feed speed and voltage correction
- Optionally also program and JOB selection

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 2, gas cooled, with X Technology	M7	3		094-500116-00700		
		4	–	094-500116-00704		
		5		094-500116-00705		
MIG/MAG welding torch, Powercontrol 2, gas-cooled		3		094-500050-00700		
		4		094-500050-00704		
		5		094-500050-00705		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001		
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001		
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001		
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	2	094-020136-00000		
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000		
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000		
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000		
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000		
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000		
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000		
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000		
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000		
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000		
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000		
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000		
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000		
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000		
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000		
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000		
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000		
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000		
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000		
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000		
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000		
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000		
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002		
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002		
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000		
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT221CG

■ MT221CG

Equipment ex works (steel wire):

- 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

- Gas-cooled MIG/MAG welding torch with replaceable neck
- Rotating, interchangeable torch neck, bend angle factory setting 45°
- Equipped for 1.0 mm welding wire (steel)

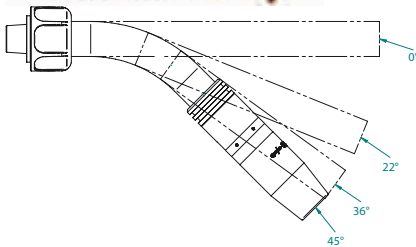
Duty cycle CO2	250 A / 60 %
Duty cycle M21	220 A / 60 %
Duty cycle M21 pulse	150 A / 60 %
Wire Ø	0.8 mm - 1.2 mm
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °

MT221CG



Designation			Item no.		
		m			
MIG/MAG welding torch, gas-cooled, replaceable neck	M7	3	094-500050-03000		
		4	094-500050-03004		
		5	094-500050-03005		

TN MT221CG



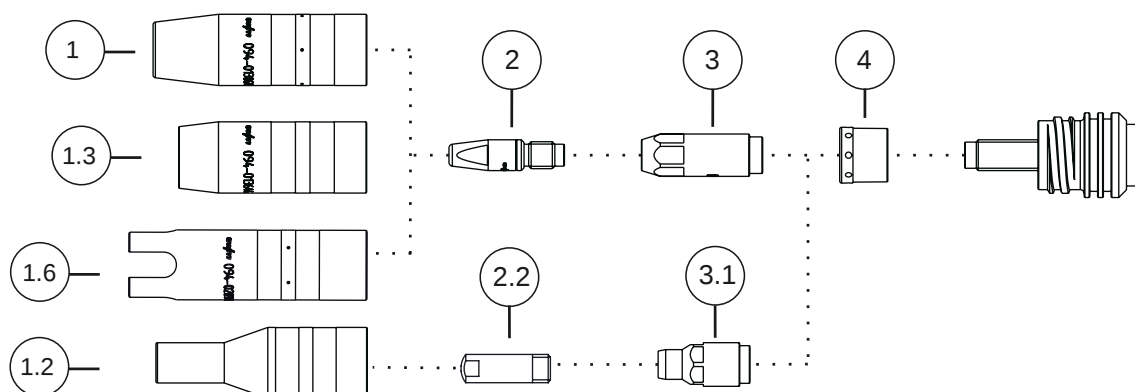
- Torch neck with different bend angles, without consumables

Designation	Bend angle torch neck	Item no.		
Torch neck	22 °	094-017983-E0000		
	36 °	094-017984-E0000		
	45 °	094-017268-E0000		



Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	2	094-020136-00000
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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MT221CG Up/Down

MT221CG U/DX

MT221CG 2U/DX

Equipment ex works (steel wire):

- 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

- Gas cooled MIG/MAG function torch with replaceable neck
- Rotating, interchangeable torch neck, bend angle factory setting 45°
- Programs can also be optionally selected
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °

MT221CG U/DX /// MT221CG U/D



- Setting the wire feed speed
- For alpha Q, Phoenix and Taurus Synergic S
- Torches without X technology are suitable for Picomig 305 machines

Designation				Item no.		
		m				
		3		094-500116-03200		
MIG/MAG welding torch, up/down, gas cooled, with X Technology	M7	4	–	094-500116-03204		
		5		094-500116-03205		
MIG/MAG welding torch, up/down, gas cooled, replaceable neck		3		094-500050-03200		
		4		094-500050-03204		
		5		094-500050-03205		

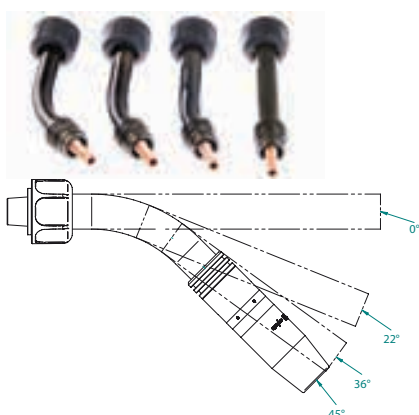
MT221CG 2U/DX /// MT221CG 2U/D



- Setting wire-feed speed and welding voltage or correcting the voltage
- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
		3		094-500116-03300		
MIG/MAG welding torch, 2 up/down, gas cooled, with X Technology	M7	4	–	094-500116-03304		
		5		094-500116-03305		
MIG/MAG welding torch, 2 up/down, gas cooled, replaceable neck		3		094-500050-03300		
		4		094-500050-03304		
		5		094-500050-03305		

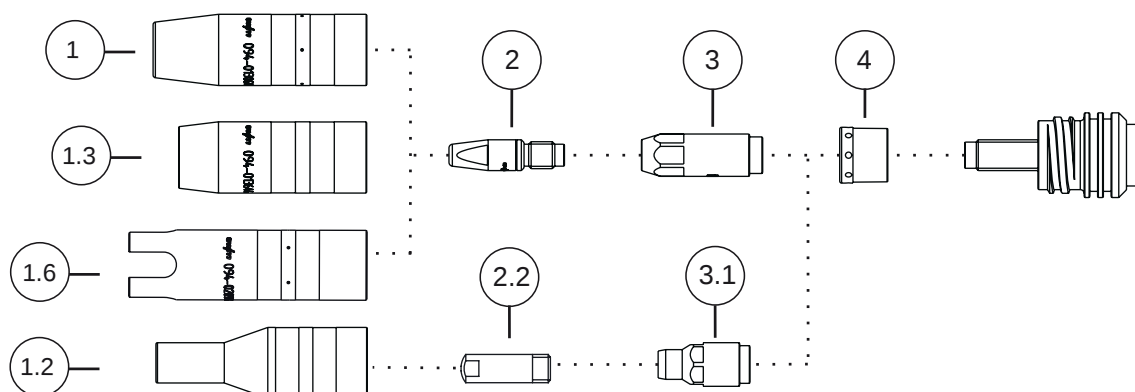
TN MT221CG



- Torch neck with different bend angles, without consumables

Designation	Bend angle torch neck	Item no.		
	22 °	094-017983-E0000		
Torch neck	36 °	094-017984-E0000		
	45 °	094-017268-E0000		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	2	094-020136-00000
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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MT221CG Powercontrol

MT221CG PC1X

MT221CG PC2X

Equipment ex works (steel wire):

- 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

- Gas cooled MIG/MAG function torch with replaceable neck
- Rotating, interchangeable torch neck, bend angle factory setting 45°
- For alpha Q, Phoenix and Taurus Synergic S
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °

MT221CG PC1X /// MT221CG PC1



- Display and setting of wire feed speed
- Programs can also be optionally selected

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 1, gas cooled, with X Technology	M7	3		094-500116-03400		
		4	–	094-500116-03404		
		5		094-500116-03405		
MIG/MAG welding torch, Powercontrol 1, gas-cooled, replaceable neck		3		094-500050-03400		
		4		094-500050-03404		
		5		094-500050-03405		

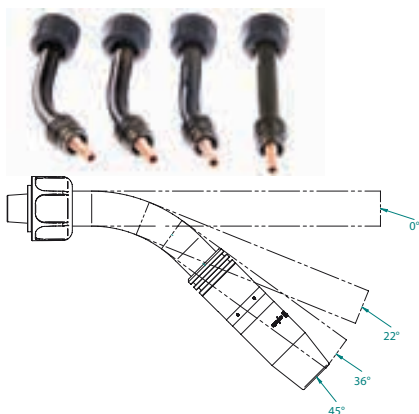
MT221CG PC2X /// MT221CG PC2



- Display and setting of wire feed speed and voltage correction
- Optionally also program and JOB selection

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 2, gas cooled, with X Technology	M7	3		094-500116-03700		
		4	–	094-500116-03704		
		5		094-500116-03705		
MIG/MAG welding torch, Powercontrol 2, gas-cooled, replaceable neck		3		094-500050-03700		
		4		094-500050-03704		
		5		094-500050-03705		

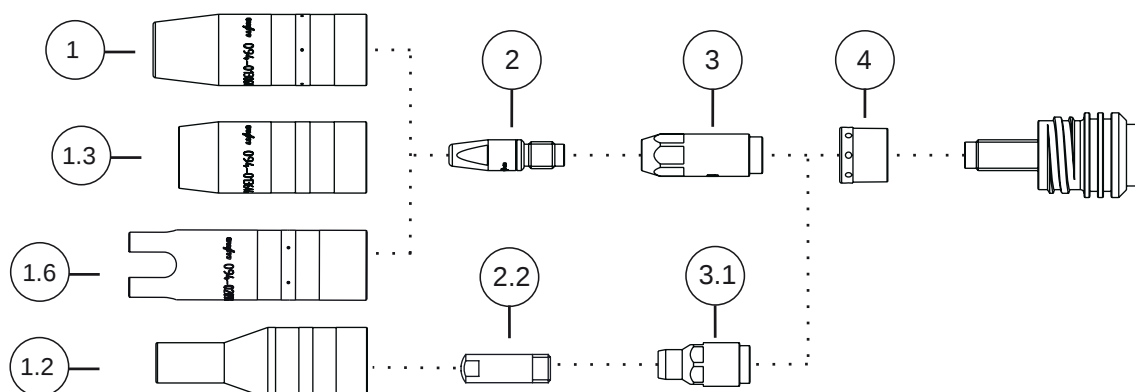
TN MT221CG



- Torch neck with different bend angles, without consumables

Designation	Bend angle torch neck	Item no.		
Torch neck	22 °	094-017983-E0000		
	36 °	094-017984-E0000		
	45 °	094-017268-E0000		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	2	094-020136-00000
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT221G F

■ MT221G F

Equipment ex works (steel wire):

- 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

- Gas-cooled MIG welding torch with fume extraction
- Continuously adjustable extraction nozzle
- Bypass valve to regulate the extraction rate
- For operation with high-vacuum extraction systems
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M7

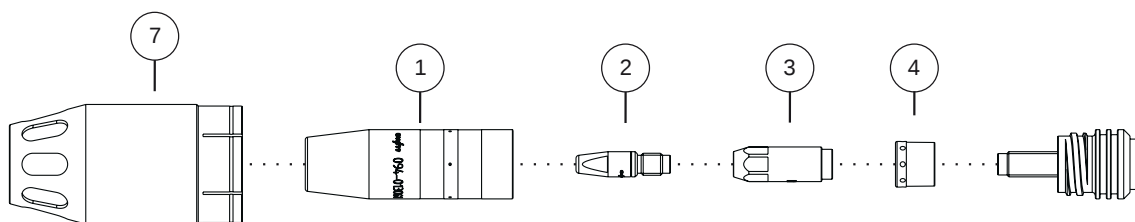
MT221G F



Designation			Item no.		
		m			
MIG/MAG welding torch, gas-cooled, fume extraction	M7	3	094-500050-40000		
		4	094-500050-40004		
		5	094-500050-40005		



■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001		
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001		
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001		
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000		
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000		
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000		
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000		
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000		
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000		
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000		
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000		
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002		
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002		
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002		
7	Extraction nozzle	-	-	-	-	-	1	094-014998-00000		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT301G

■ MT301G

Equipment ex works (steel wire):

- 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

- Gas-cooled MIG/MAG welding torch
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT301G

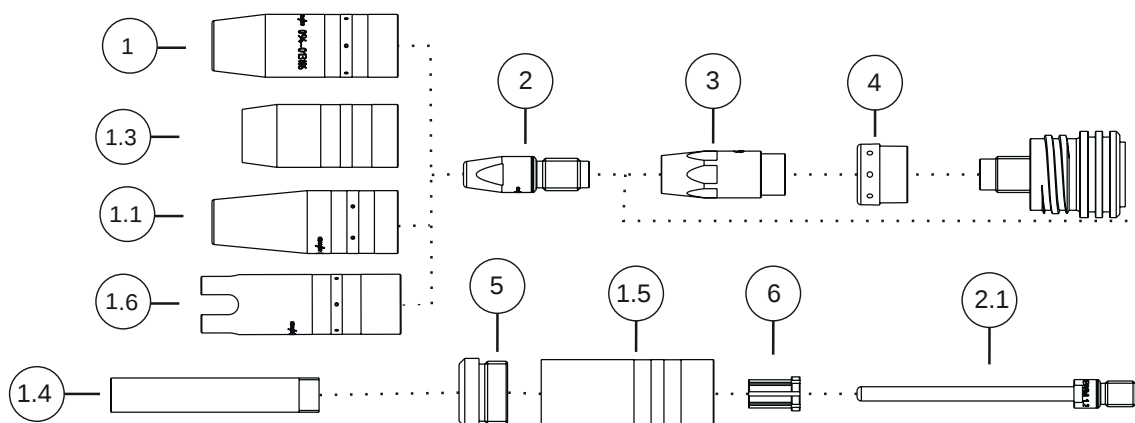


Designation			Item no.		
		m			
		3	094-500055-00000		
MIG/MAG welding torch, gas-cooled	M9	4	094-500055-00004		
		5	094-500055-00005		



Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT301G Up/Down

■ MT301G U/DX

■ MT301G 2U/DX

Equipment ex works (steel wire):

- 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

- Gas-cooled MIG/MAG function torch
- Programs can also be optionally selected
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT301G U/DX /// MT301G U/D



- Setting the wire feed speed
- For alpha Q, Phoenix and Taurus Synergic S
- Torches without X technology are suitable for Picomig 305 machines

Designation				Item no.		
		m				
MIG/MAG welding torch, up/down, gas cooled, with X Technology	M9	3		094-500117-00200		
		4	–	094-500117-00204		
		5		094-500117-00205		
MIG/MAG welding torch, up/down, gas cooled		3		094-500055-00200		
		4		094-500055-00204		
		5		094-500055-00205		

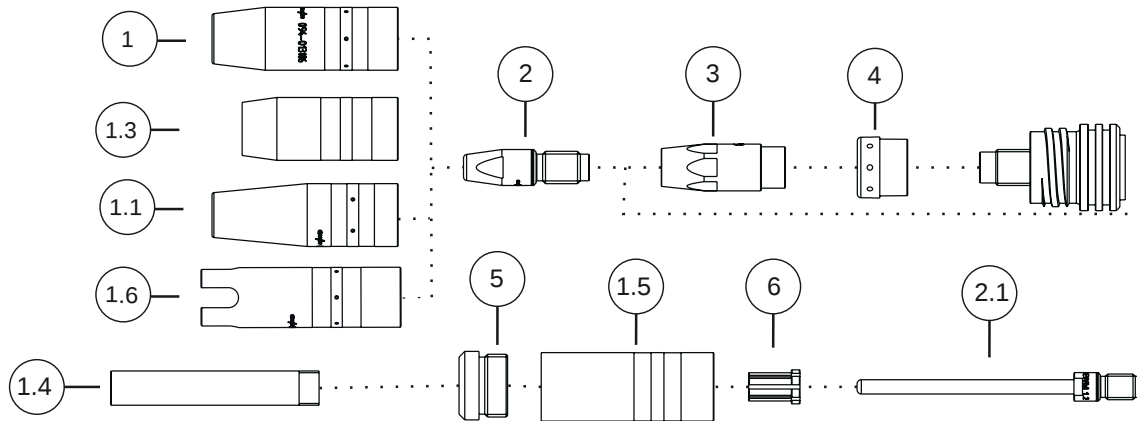
MT301G 2U/DX /// MT301G 2U/D



- Setting wire-feed speed and welding voltage or correcting the voltage
- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
MIG/MAG welding torch, 2 up/down, gas cooled, with X Technology	M9	3		094-500117-00300		
		4	–	094-500117-00304		
		5		094-500117-00305		
MIG/MAG welding torch, 2 up/down, gas cooled		3		094-500055-00300		
		4		094-500055-00304		
		5		094-500055-00305		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT301G Powercontrol

■ MT301G PC1X

■ MT301G PC2X

Equipment ex works (steel wire):

- 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

- Gas-cooled MIG/MAG function torch
- For alpha Q, Phoenix and Taurus Synergic S
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT301G PC1X /// MT301G PC1



- Display and setting of wire feed speed
- Programs can also be optionally selected

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 1, gas cooled, with X Technology	M9	3		094-500117-00400		
		4	–	094-500117-00404		
		5		094-500117-00405		
MIG/MAG welding torch, Powercontrol 1, gas cooled		3		094-500055-00400		
		4		094-500055-00404		
		5		094-500055-00405		

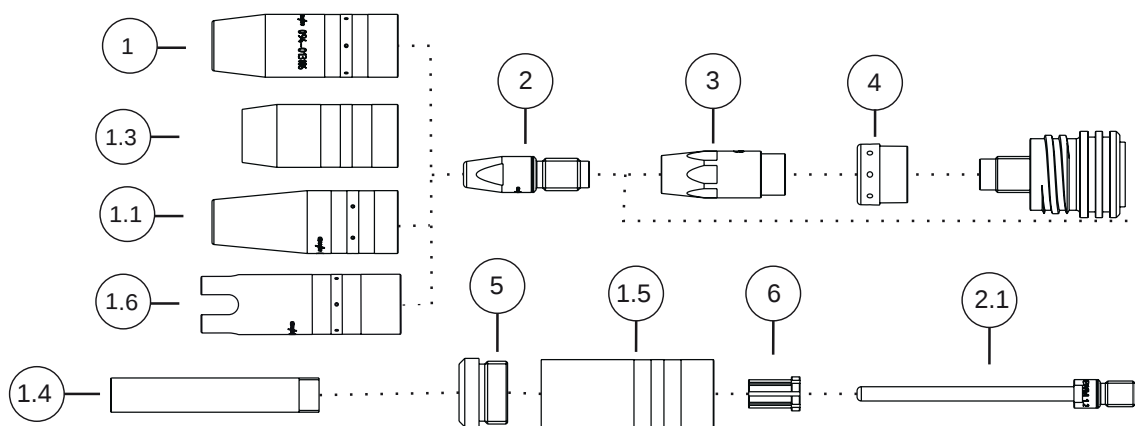
MT301G PC2X /// MT301G PC2



- Display and setting of wire feed speed and voltage correction
- Optionally also program and JOB selection

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 2, gas cooled, with X Technology	M9	3		094-500117-00700		
		4	–	094-500117-00704		
		5		094-500117-00705		
MIG/MAG welding torch, Powercontrol 2, gas-cooled		3		094-500055-00700		
		4		094-500055-00704		
		5		094-500055-00705		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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Consumables kits for MT series

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■ MT301CG

■ MT301CG

Equipment ex works (steel wire):

- 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

- Gas-cooled MIG/MAG welding torch with replaceable neck
- Rotating, interchangeable torch neck, bend angle factory setting 45°
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT301CG



Designation			Item no.		
		m			
		3	094-500055-03000		
MIG/MAG welding torch, gas-cooled, replaceable neck	M9	4	094-500055-03004		
		5	094-500055-03005		



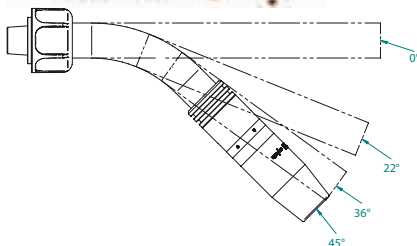
Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		

TN MT301CG

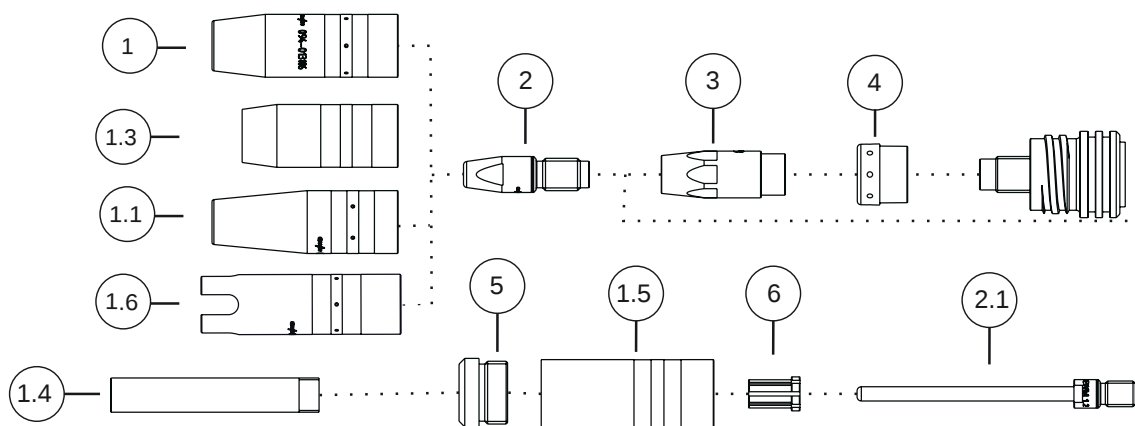


- Torch neck with different bend angles, without consumables

Designation	Bend angle torch neck	Item no.		
	22 °	094-017985-E0000		
	36 °	094-017986-E0000		
Torch neck	45 °	094-017307-E0000		



Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT301CG Up/Down

■ MT301CG U/DX

■ MT301CG 2U/DX

Equipment ex works (steel wire):

- 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

- Gas cooled MIG/MAG function torch with replaceable neck
- Rotating, interchangeable torch neck, bend angle factory setting 45°
- Programs can also be optionally selected
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT301CG U/DX /// MT301CG U/D



- Setting the wire feed speed
- For alpha Q, Phoenix and Taurus Synergic S
- Torches without X technology are suitable for Picomig 305 machines

Designation				Item no.		
		m				
MIG/MAG welding torch, up/down, gas cooled, with X Technology	M9	3		094-500117-03200		
		4	–	094-500117-03204		
		5		094-500117-03205		
MIG/MAG welding torch, up/down, gas cooled, replaceable neck		3		094-500055-03200		
		4		094-500055-03204		
		5		094-500055-03205		

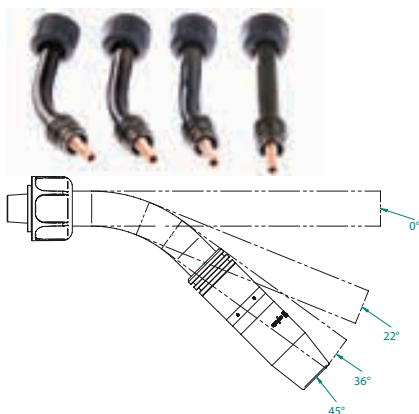
MT301CG 2U/DX /// MT301CG 2U/D



- Setting wire-feed speed and welding voltage or correcting the voltage
- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
MIG/MAG welding torch, 2 up/down, gas cooled, with X Technology	M9	3		094-500117-03300		
		4	–	094-500117-03304		
		5		094-500117-03305		
MIG/MAG welding torch, 2 up/down, gas cooled, replaceable neck		3		094-500055-03300		
		4		094-500055-03304		
		5		094-500055-03305		

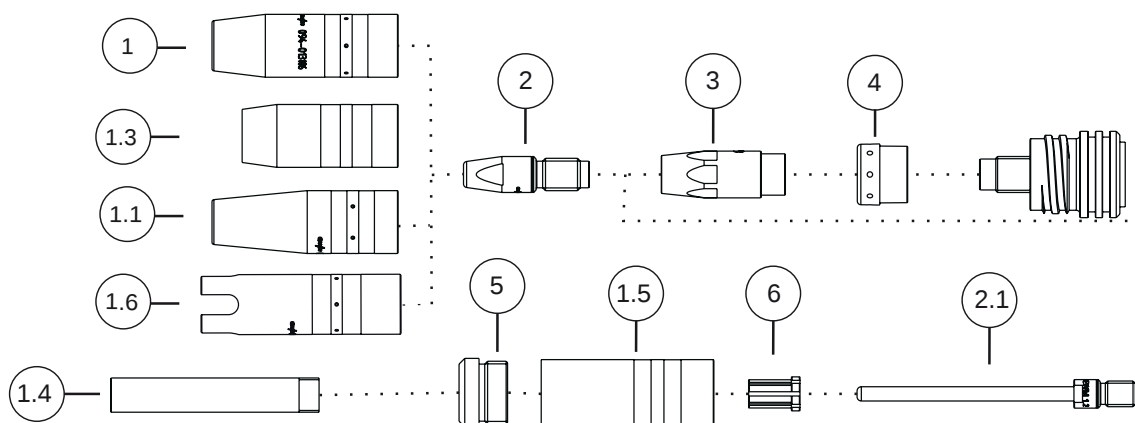
TN MT301CG



- Torch neck with different bend angles, without consumables

Designation	Bend angle torch neck	Item no.		
Torch neck	22 °	094-017985-E0000		
	36 °	094-017986-E0000		
	45 °	094-017307-E0000		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT301CG Powercontrol

■ MT301CG PC1X

■ MT301CG PC2X

Equipment ex works (steel wire):

- 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

- Gas cooled MIG/MAG function torch with replaceable neck
- Rotating, interchangeable torch neck, bend angle factory setting 45°
- For alpha Q, Phoenix and Taurus Synergic S
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT301CG PC1X /// MT301CG PC1



- Display and setting of wire feed speed
- Programs can also be optionally selected

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 1, gas cooled, with X Technology	M9	3		094-500117-03400		
		4	–	094-500117-03404		
		5		094-500117-03405		
MIG/MAG welding torch, Powercontrol 1, gas-cooled, replaceable neck		3		094-500055-03400		
		4		094-500055-03404		
		5		094-500055-03405		

MT301CG PC2X /// MT301CG PC2



- Display and setting of wire feed speed and voltage correction
- Optionally also program and JOB selection

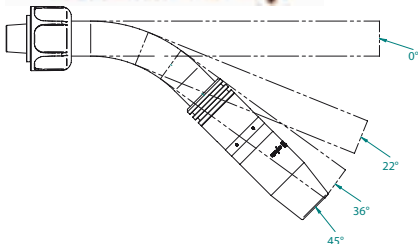
Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 2, gas cooled, with X Technology	M9	3		094-500117-03700		
		4	–	094-500117-03704		
		5		094-500117-03705		
MIG/MAG welding torch, Powercontrol 2, gas-cooled, replaceable neck		3		094-500055-03700		
		4		094-500055-03704		
		5		094-500055-03705		

TN MT301CG

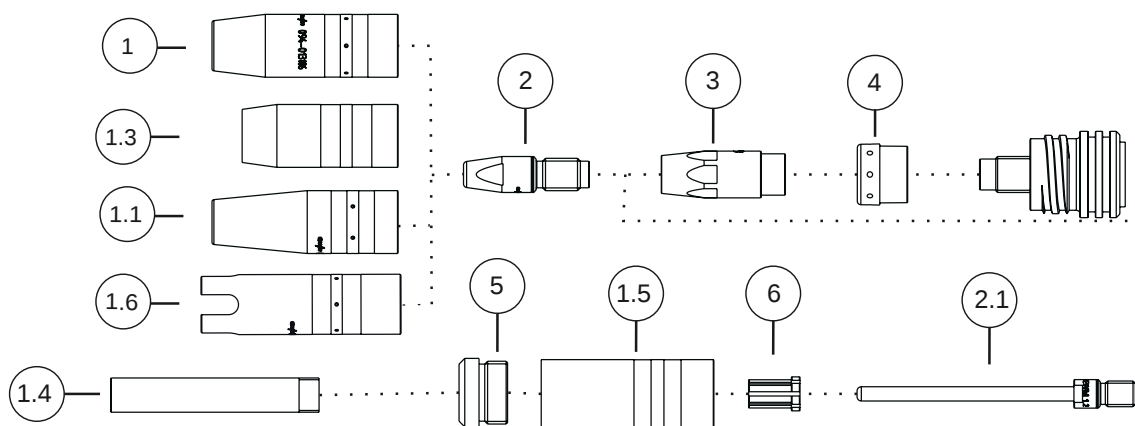


- Torch neck with different bend angles, without consumables

Designation	Bend angle torch neck	Item no.		
Torch neck	22 °	094-017985-E0000		
	36 °	094-017986-E0000		
	45 °	094-017307-E0000		



Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT401G

■ MT401G

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Gas-cooled MIG/MAG welding torch

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT401G

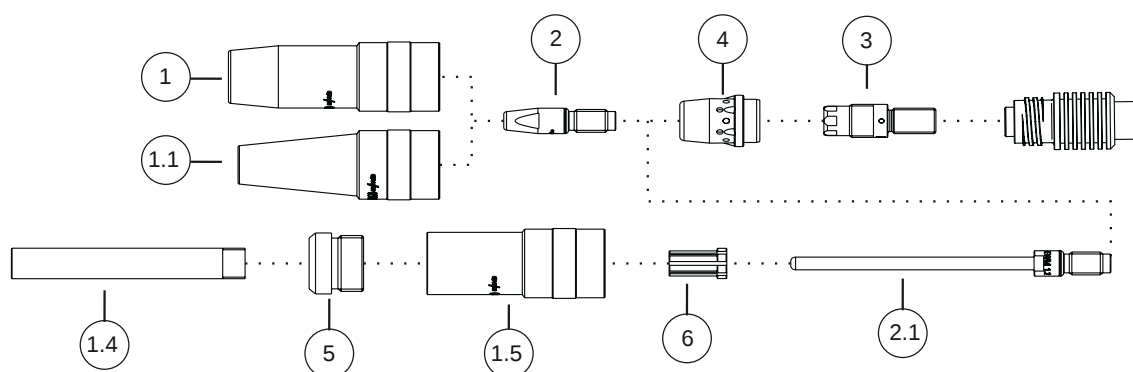


Designation			Item no.		
		m			
		3	094-500057-00000		
MIG/MAG welding torch, gas-cooled	M9	4	094-500057-00004		
		5	094-500057-00005		



Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip	-	2	M9	35	CuCrZr	10	094-013534-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003
4	Gas diffusers	20.2	-	-	25	Plastic	10	094-013111-00001
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT401G Up/Down

■ MT401G U/DX

■ MT401G 2U/DX

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Gas-cooled MIG/MAG function torch
- Programs can also be optionally selected

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT401G U/DX /// MT401G U/D



- Setting the wire feed speed
- For alpha Q, Phoenix and Taurus Synergic S

Designation				Item no.		
		m				
MIG/MAG welding torch, up/down, gas cooled, with X Technology	M9	3		094-500118-00200		
		4	–	094-500118-00204		
		5		094-500118-00205		
MIG/MAG welding torch, up/down, gas cooled		3		094-500057-00200		
		4		094-500057-00204		
		5		094-500057-00205		

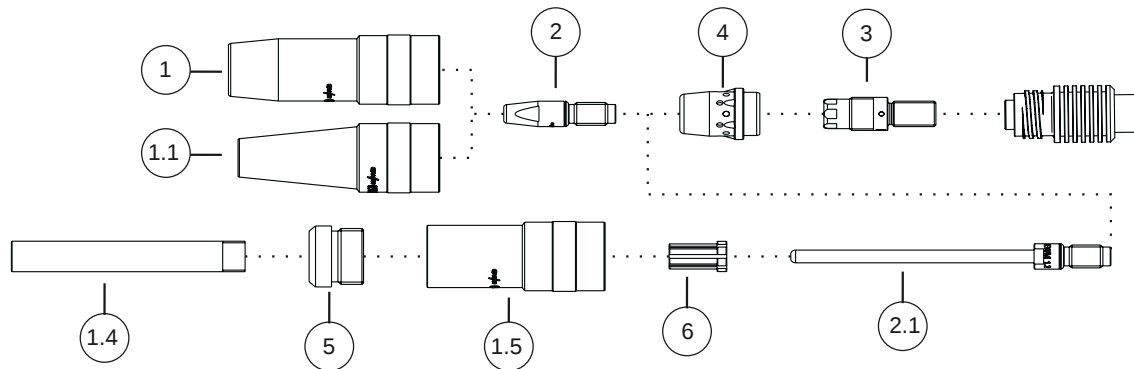
MT401G 2U/DX /// MT401G 2U/D



- Setting wire-feed speed and welding voltage or correcting the voltage
- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
MIG/MAG welding torch, 2 up/down, gas cooled, with X Technology	M9	3		094-500118-00300		
		4	–	094-500118-00304		
		5		094-500118-00305		
MIG/MAG welding torch, 2 up/down, gas cooled		3		094-500057-00300		
		4		094-500057-00304		
		5		094-500057-00305		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip	-	2	M9	35	CuCrZr	10	094-013534-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003
4	Gas diffusers	20.2	-	-	25	Plastic	10	094-013111-00001
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT401G Powercontrol

■ MT401G PC1X

■ MT401G PC2X

Equipment ex works (steel wire):

- 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

- Gas-cooled MIG/MAG function torch
- For alpha Q, Phoenix and Taurus Synergic S
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT401G PC1X



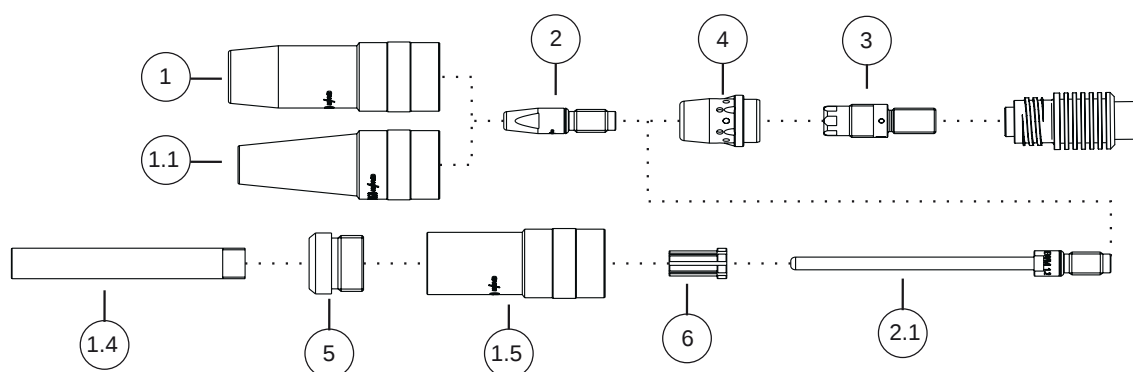
Designation			Item no.		
		m			
MIG/MAG welding torch, Powercontrol 1, gas cooled, with X Technology	M9	3	094-500118-00400		
		4	094-500118-00404		
		5	094-500118-00405		

MT401G PC2X



Designation			Item no.		
		m			
MIG/MAG welding torch, Powercontrol 2, gas cooled, with X Technology	M9	3	094-500118-00700		
		4	094-500118-00704		
		5	094-500118-00705		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip	-	2	M9	35	CuCrZr	10	094-013534-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003
4	Gas diffusers	20.2	-	-	25	Plastic	10	094-013111-00001
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT301W

■ MT301W

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG welding torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °

MT301W

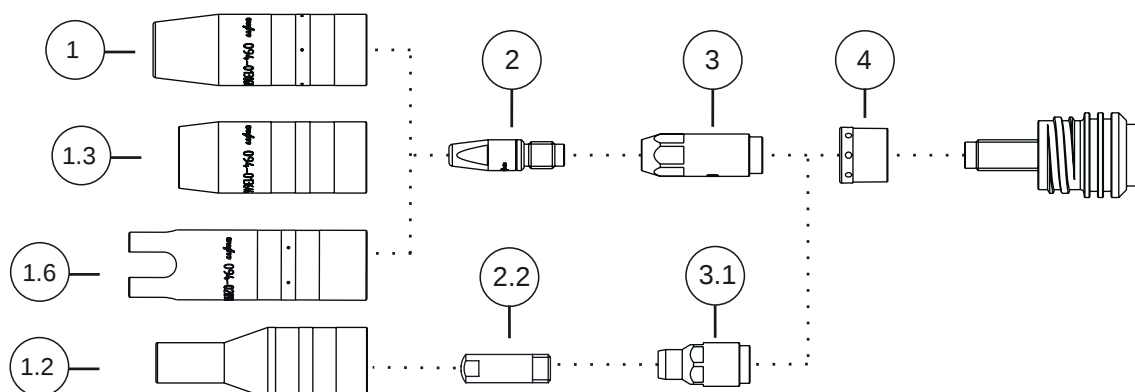


Designation			Item no.		
		m			
		3	094-500058-00000		
MIG/MAG welding torch, water-cooled	M7	4	094-500058-00004		
		5	094-500058-00005		



Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	2	094-020136-00000
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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Consumables kits for MT series

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Adapters

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■ MT301W Up/Down

■ MT301W U/DX

■ MT301W 2U/DX

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- Programs can also be optionally selected

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °

MT301W U/DX /// MT301W U/D



- Setting the wire feed speed
- For alpha Q, Phoenix and Taurus Synergic S

Designation				Item no.		
		m				
MIG/MAG welding torch, up/down, water cooled, with X Technology	M7	3		094-500119-00200		
		4	–	094-500119-00204		
		5		094-500119-00205		
MIG/MAG welding torch, up/down, water cooled		3		094-500058-00200		
		4		094-500058-00204		
		5		094-500058-00205		

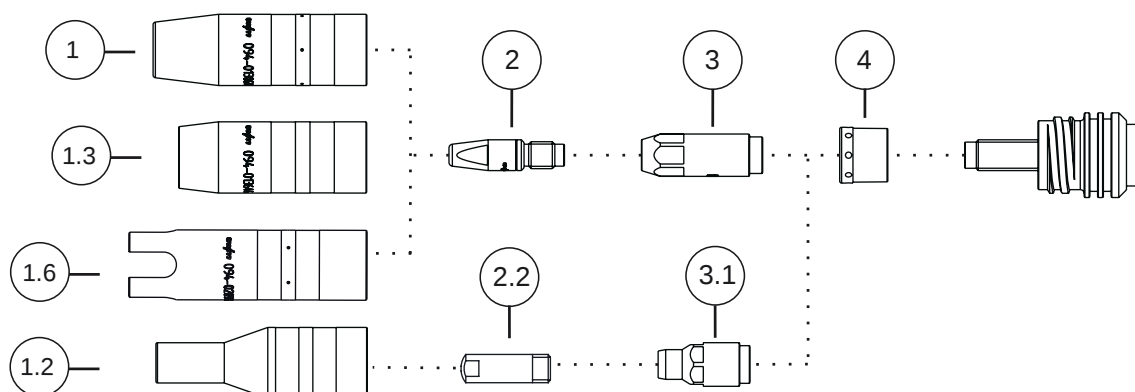
MT301W 2U/DX /// MT301W 2U/D



- Setting wire-feed speed and welding voltage or correcting the voltage
- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
MIG/MAG welding torch, 2 up/down, water cooled, with X Technology	M7	3		094-500119-00300		
		4	–	094-500119-00304		
		5		094-500119-00305		
MIG/MAG welding torch, 2 up/down, water cooled		3		094-500058-00300		
		4		094-500058-00304		
		5		094-500058-00305		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001		
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001		
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001		
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	2	094-020136-00000		
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000		
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000		
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000		
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000		
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000		
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000		
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000		
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000		
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000		
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000		
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000		
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000		
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000		
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000		
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000		
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000		
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000		
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000		
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000		
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000		
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000		
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002		
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002		
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000		
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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Consumables kits for MT series

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■ MT301W Powercontrol

■ MT301W PC1X

■ MT301W PC2X

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- For alpha Q, Phoenix and Taurus Synergic S

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °

MT301W PC1X /// MT301W PC1



- Display and setting of wire feed speed
- Programs can also be optionally selected

Designation				Item no.		
		m				
MIG/MAG welding torch, Power-control 1, water cooled, with X technology	M7	3		094-500119-00400		
		4	–	094-500119-00404		
		5		094-500119-00405		
MIG/MAG welding torch, Powercontrol 1, water-cooled		3		094-500058-00400		
		4		094-500058-00404		
		5		094-500058-00405		

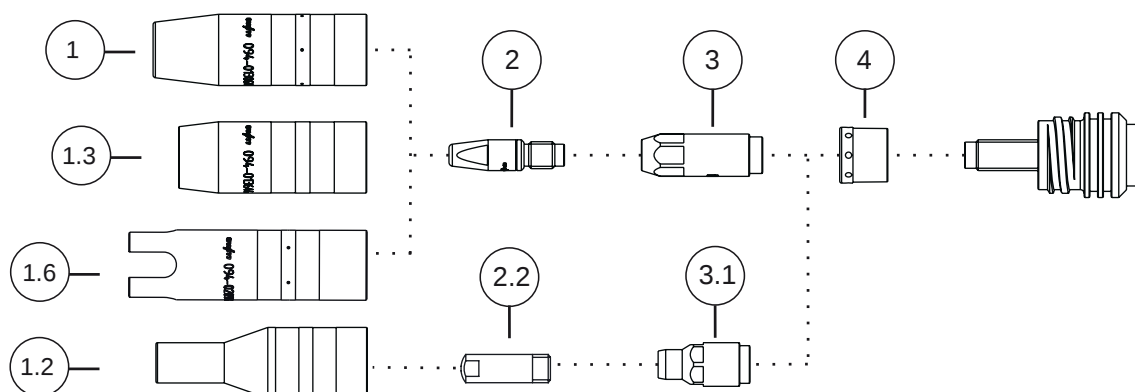
MT301W PC2X /// MT301W PC2



- Display and setting of wire feed speed and voltage correction
- Optionally also program and JOB selection

Designation				Item no.		
		m				
MIG/MAG welding torch, Power-control 2, water cooled, with X technology	M7	3		094-500119-00700		
		4	–	094-500119-00704		
		5		094-500119-00705		
MIG/MAG welding torch, Powercontrol 2, water-cooled		3		094-500058-00700		
		4		094-500058-00704		
		5		094-500058-00705		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	2	094-020136-00000
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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Consumables kits for MT series

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■ MT301CW

■ MT301CW

Equipment ex works (steel wire):

- 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

- Water-cooled MIG/MAG welding torch with replaceable neck
- Equipped for 1.2 mm welding wire (steel)

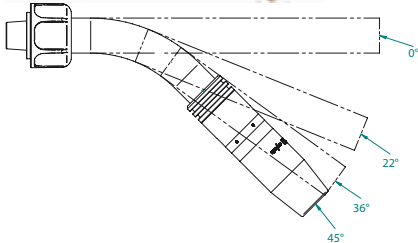
Duty cycle CO2	330 A / 100 %
Duty cycle M21	290 A / 100 %
Duty cycle M21 pulse	250 A / 100 %
Wire Ø	0.8 mm - 1.2 mm
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °

MT301CW



Designation			Item no.		
		m			
MIG/MAG welding torch, water-cooled, replaceable neck	M7	3	094-500058-03000		
		4	094-500058-03004		
		5	094-500058-03005		

TN MT301CW



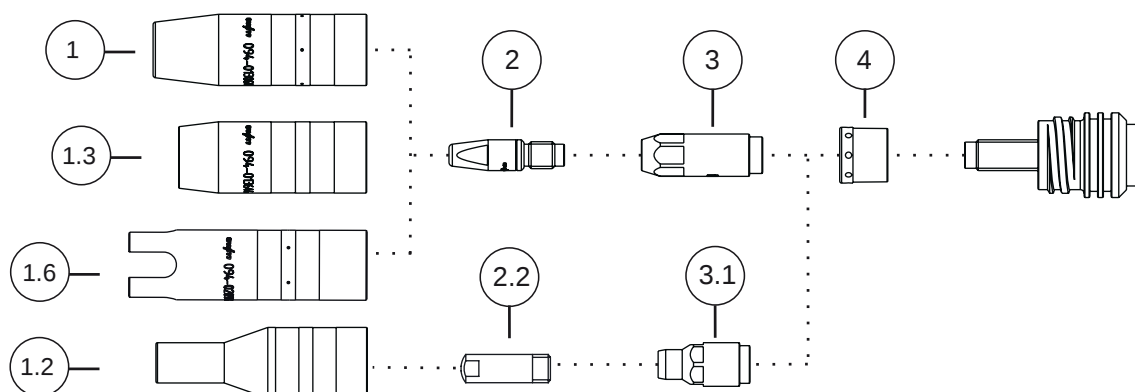
- Torch neck with different bend angles, without consumables

Designation	Bend angle torch neck	Item no.		
Torch neck	22 °	094-017988-E0000		
	36 °	094-017989-E0000		
	45 °	094-017526-E0000		



Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001		
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001		
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001		
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	2	094-020136-00000		
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000		
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000		
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000		
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000		
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000		
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000		
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000		
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000		
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000		
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000		
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000		
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000		
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000		
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000		
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000		
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000		
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000		
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000		
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000		
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000		
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000		
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002		
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002		
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000		
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT301CW Up/Down

■ MT301CW U/DX

■ MT301CW 2U/DX

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water cooled MIG/MAG function torch with replaceable neck
- Programs can also be optionally selected

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °

MT301CW U/DX /// MT301CW U/D



- Setting the wire feed speed
- For alpha Q, Phoenix and Taurus Synergic S

Designation				Item no.		
		m				
MIG/MAG welding torch, up/down, water cooled, with X Technology	M7	3		094-500119-03200		
		4	–	094-500119-03204		
		5		094-500119-03205		
MIG/MAG welding torch, up/down, water-cooled, replaceable neck	M7	3		094-500058-03200		
		4		094-500058-03204		
		5		094-500058-03205		

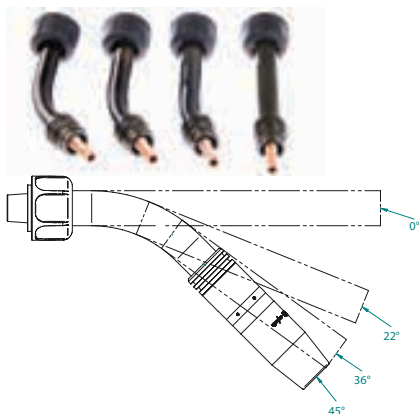
MT301CW 2U/DX /// MT301CW 2U/D



- Setting wire-feed speed and welding voltage or correcting the voltage
- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
MIG/MAG welding torch, 2 up/down, water cooled, with X Technology	M7	3		094-500119-03300		
		4	–	094-500119-03304		
		5		094-500119-03305		
MIG/MAG welding torch, 2 Up/Down, water-cooled, replaceable neck	M7	3		094-500058-03300		
		4		094-500058-03304		
		5		094-500058-03305		

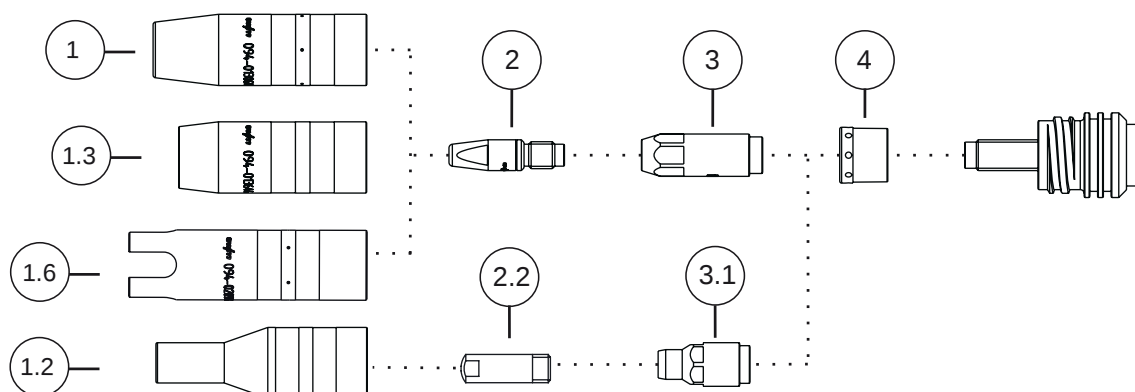
TN MT301CW



- Torch neck with different bend angles, without consumables

Designation	Bend angle torch neck	Item no.		
Torch neck	22 °	094-017988-E0000		
	36 °	094-017989-E0000		
	45 °	094-017526-E0000		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001		
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001		
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001		
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	2	094-020136-00000		
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000		
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000		
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000		
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000		
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000		
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000		
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000		
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000		
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000		
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000		
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000		
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000		
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000		
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000		
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000		
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000		
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000		
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000		
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000		
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000		
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000		
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002		
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002		
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000		
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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MT301CW Powercontrol

MT301CW PC1X

MT301CW PC2X

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water cooled MIG/MAG function torch with replaceable neck
- For alpha Q, Phoenix and Taurus Synergic S

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M7
Bend angle torch neck	45 °

MT301CW PC1X /// MT301CW PC1



- Display and setting of wire feed speed
- Programs can also be optionally selected

Designation				Item no.		
		m				
MIG/MAG welding torch, Power-control 1, water cooled, with X technology	M7	3		094-500119-03400		
		4	–	094-500119-03404		
		5		094-500119-03405		
MIG/MAG welding torch, Powercontrol 1, water-cooled, replaceable neck		3		094-500058-03400		
		4		094-500058-03404		
		5		094-500058-03405		

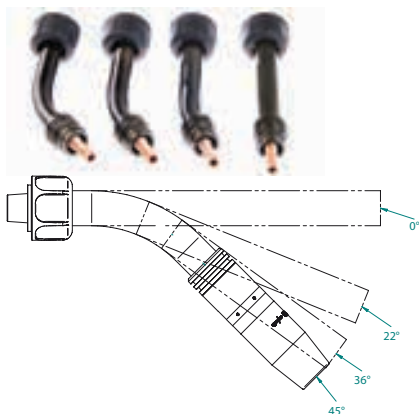
MT301CW PC2X /// MT301CW PC2



- Display and setting of wire feed speed and voltage correction
- Optionally also program and JOB selection

Designation				Item no.		
		m				
MIG/MAG welding torch, Power-control 2, water cooled, with X technology	M7	3		094-500119-03700		
		4	–	094-500119-03704		
		5		094-500119-03705		
MIG/MAG welding torch, Powercontrol 2, water-cooled, replaceable neck		3		094-500058-03700		
		4		094-500058-03704		
		5		094-500058-03705		

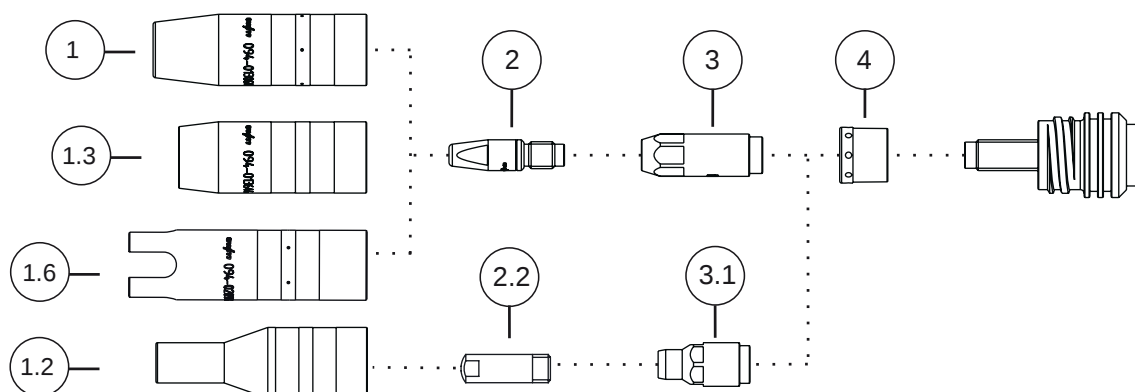
TN MT301CW



- Torch neck with different bend angles, without consumables

Designation	Bend angle torch neck	Item no.		
Torch neck	22 °	094-017988-E0000		
	36 °	094-017989-E0000		
	45 °	094-017526-E0000		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001		
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001		
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001		
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	2	094-020136-00000		
1.3	Gas nozzle, Innershield	-	-	-	58	-	10	094-013644-00000		
1.6	Spot gas nozzle	18	-	-	75	-	10	094-020944-00000		
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000		
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000		
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000		
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000		
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000		
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000		
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000		
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000		
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000		
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000		
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000		
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000		
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000		
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000		
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000		
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000		
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000		
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000		
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000		
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002		
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002		
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000		
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT301W F

■ MT301W F

Equipment ex works (steel wire):

- 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

- Water-cooled MIG fume extraction torch
- Equipped for 1.2 mm welding wire (steel)
- Continuously adjustable extraction nozzle
- Bypass valve to regulate the extraction rate
- For operation with high-vacuum extraction systems

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M7

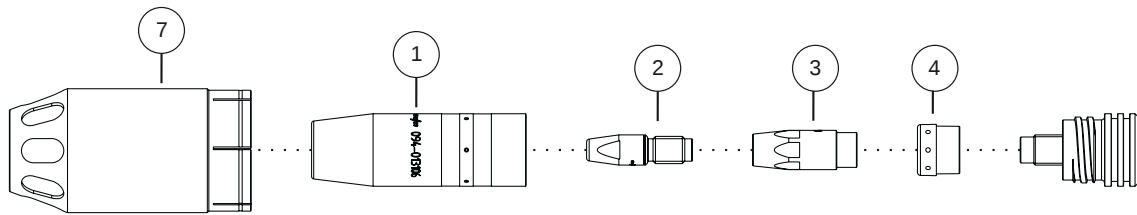
MT301W F



Designation			Item no.		
		m			
MIG/MAG welding torch, water-cooled, fume extraction	M7	3	094-500058-40000		
		4	094-500058-40004		
		5	094-500058-40005		



■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001		
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001		
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001		
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000		
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000		
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000		
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000		
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000		
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000		
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000		
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000		
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002		
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002		
4	Gas diffusers	-	-	-	-	Plastic	10	094-013094-00002		
7	Extraction nozzle	-	-	-	-	-	1	094-014997-00000		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT451W

■ MT451W

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG welding torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT451W

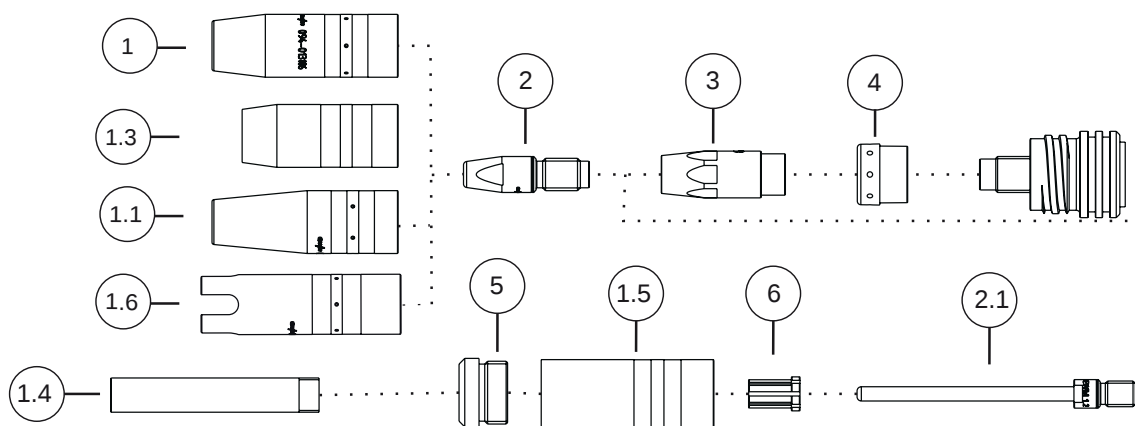


Designation			Item no.		
		m			
		3	094-500059-00000		
MIG/MAG welding torch, water-cooled	M9	4	094-500059-00004		
		5	094-500059-00005		



Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT451W Up/Down

■ MT451W U/DX

■ MT451W 2U/DX

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- Programs can also be optionally selected

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT451W U/DX /// MT451W U/D



- Setting the wire feed speed
- For alpha Q, Phoenix and Taurus Synergic S

Designation				Item no.		
		m				
MIG/MAG welding torch, up/down, water cooled, with X Technology	M9	3		094-500120-00200		
		4	–	094-500120-00204		
		5		094-500120-00205		
MIG/MAG welding torch, up/down, water cooled		3		094-500059-00200		
		4		094-500059-00204		
		5		094-500059-00205		

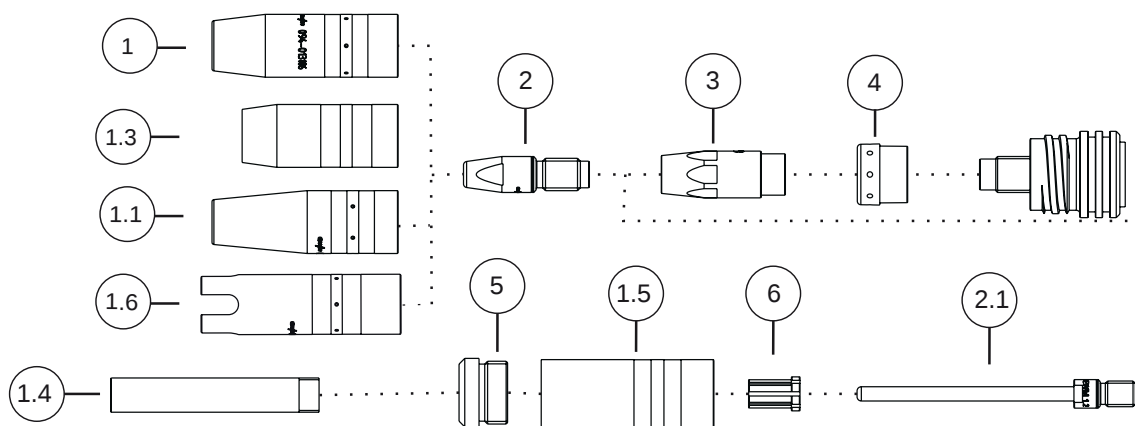
MT451W 2U/DX /// MT451W 2U/D



- Setting wire-feed speed and welding voltage or correcting the voltage
- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
MIG/MAG welding torch, 2 up/down, water cooled, with X Technology	M9	3		094-500120-00300		
		4	–	094-500120-00304		
		5		094-500120-00305		
MIG/MAG welding torch, 2 up/down, water cooled		3		094-500059-00300		
		4		094-500059-00304		
		5		094-500059-00305		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT451W Powercontrol

■ MT451W PC1X

■ MT451W PC2X

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- For alpha Q, Phoenix and Taurus Synergic S

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT451W PC1X /// MT451W PC1



- Display and setting of wire feed speed
- Programs can also be optionally selected

Designation				Item no.		
		m				
MIG/MAG welding torch, Power-control 1, water cooled, with X technology	M9	3		094-500120-00400		
		4	–	094-500120-00404		
		5		094-500120-00405		
MIG/MAG welding torch, Powercontrol 1, water-cooled		3		094-500059-00400		
		4		094-500059-00404		
		5		094-500059-00405		

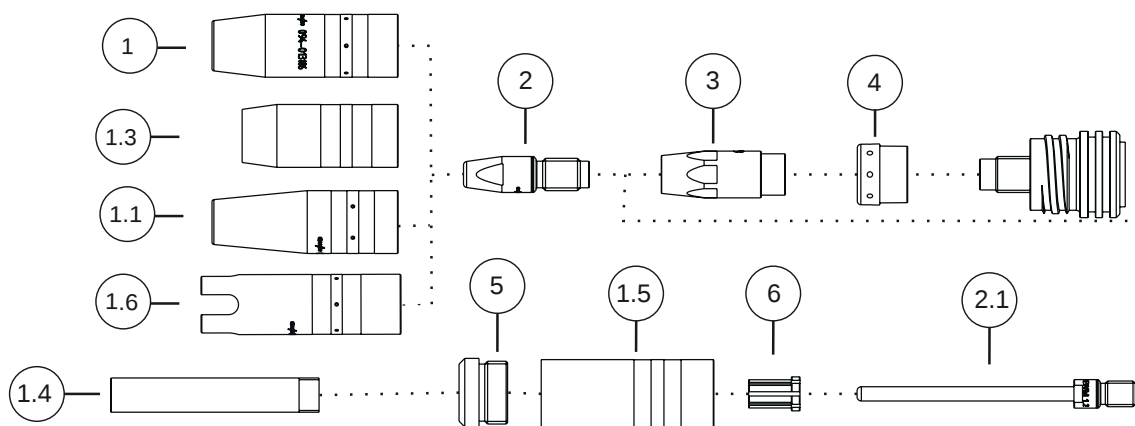
MT451W PC2X /// MT451W PC2



- Display and setting of wire feed speed and voltage correction
- Optionally also program and JOB selection

Designation				Item no.		
		m				
MIG/MAG welding torch, Power-control 2, water cooled, with X technology	M9	3		094-500120-00700		
		4	–	094-500120-00704		
		5		094-500120-00705		
MIG/MAG welding torch, Powercontrol 2, water-cooled		3		094-500059-00700		
		4		094-500059-00704		
		5		094-500059-00705		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT451WS

■ MT451WS

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG welding torch
- Torch neck 35 mm shorter compared to standard torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT451WS

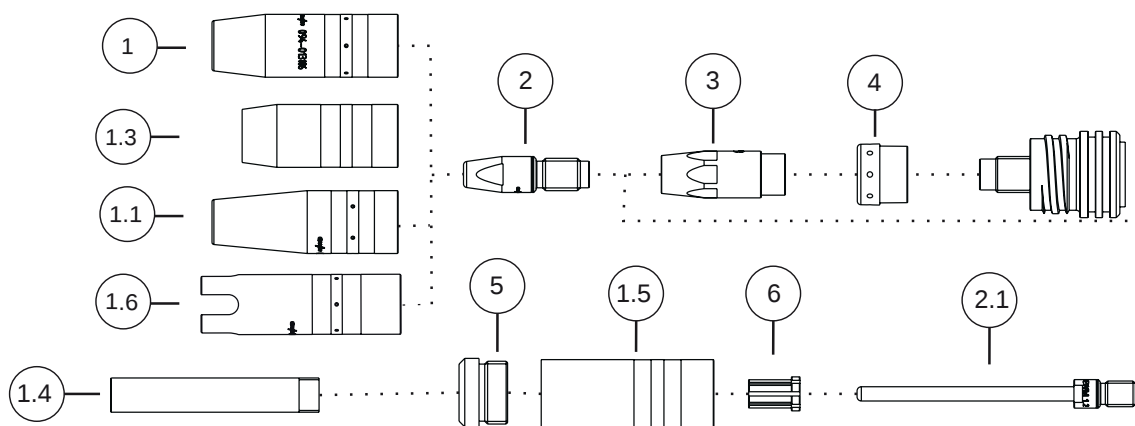


Designation			Item no.		
		m			
MIG/MAG welding torch, water-cooled, short torch neck	M9	3	094-500059-30000		
		4	094-500059-30004		
		5	094-500059-30005		



Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT451WS Up/Down

■ MT451WS U/DX

■ MT451WS 2U/DX

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- Setting the wire feed speed
- Programs can also be optionally selected
- Torch neck 35 mm shorter compared to standard torch
- Safe and rugged; without control cable and additional connector plug

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT451WS U/DX /// MT451WS U/D



- For alpha Q, Phoenix and Taurus Synergic S

Designation				Item no.		
		m				
MIG/MAG welding torch, up/down, short torch neck, water-cooled, with X Technology	M9	3		094-500120-30200		
		4	–	094-500120-30204		
		5		094-500120-30205		
MIG/MAG welding torch, up/down, water-cooled, short torch neck		3		094-500059-30200		
		4		094-500059-30204		
		5		094-500059-30205		

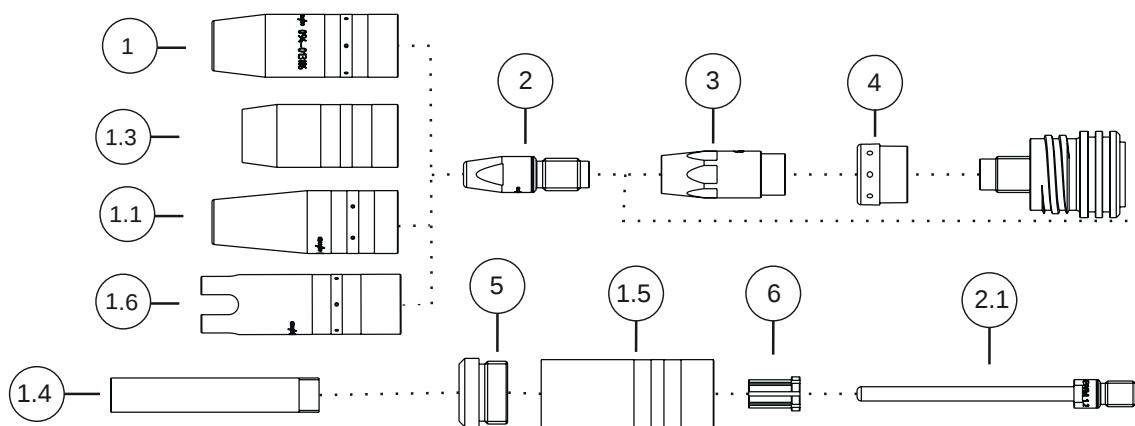
MT451WS 2U/DX /// MT451WS 2U/D



- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
MIG/MAG welding torch, 2 up/down, short torch neck, water-cooled, with X Technology	M9	3		094-500120-30300		
		4	–	094-500120-30304		
		5		094-500120-30305		
MIG/MAG welding torch, 2 up/down, water-cooled, short torch neck		3		094-500059-30300		
		4		094-500059-30304		
		5		094-500059-30305		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT451WS Powercontrol

■ MT451WS PC1X

■ MT451WS PC2X

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- For alpha Q, Phoenix and Taurus Synergic S
- Torch neck 35 mm shorter compared to standard torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT451WS PC1X /// MT451W PC1



- Display and setting of wire feed speed
- Programs can also be optionally selected

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 1, water-cooled, short torch neck, with X technology	M9	3		094-500120-30400		
		4	–	094-500120-30404		
		5		094-500120-30405		
MIG/MAG welding torch, Powercontrol 1, water-cooled, short torch neck		3		094-500059-30400		
		4		094-500059-30404		
		5		094-500059-30405		

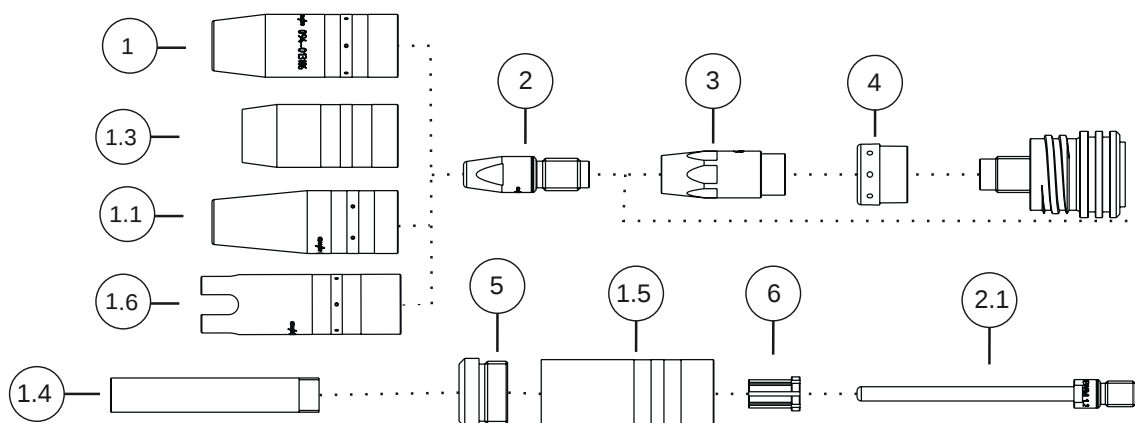
MT451WS PC2X /// MT451WS PC2



- Display and setting of wire feed speed and voltage correction
- Optionally also program and JOB selection

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 2, short torch neck, water-cooled, with X Technology	M9	3		094-500120-30700		
		4	–	094-500120-30704		
		5		094-500120-30705		
MIG/MAG welding torch, Powercontrol 2, water-cooled, short torch neck		3		094-500059-30700		
		4		094-500059-30704		
		5		094-500059-30705		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT451WL

■ MT451WL

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG welding torch
- Torch neck 46 mm longer compared to standard torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	35 °

MT451WL

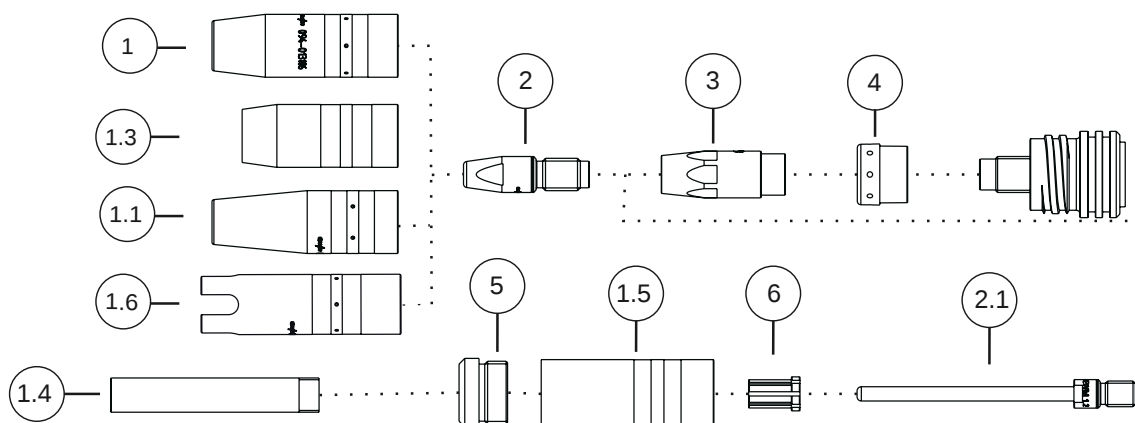


Designation			Item no.		
		m			
MIG/MAG welding torch, water-cooled, long torch neck	M9	3	094-500059-20000		
		4	094-500059-20004		
		5	094-500059-20005		



Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT451WL Up/Down

■ MT451WL U/DX

■ MT451WL 2U/DX

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- Programs can also be optionally selected
- Torch neck 46 mm longer compared to standard torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	35 °

MT451WL U/DX /// MT451WL U/D



- Setting the wire feed speed
- For alpha Q, Phoenix and Taurus Synergic S

Designation				Item no.		
		m				
MIG/MAG welding torch, up/down, water cooled, with X Technology	M9	3		094-500120-20200		
		4	–	094-500120-20204		
		5		094-500120-20205		
MIG/MAG welding torch, up/down, water-cooled, long torch neck	M9	3		094-500059-20200		
		4		094-500059-20204		
		5		094-500059-20205		

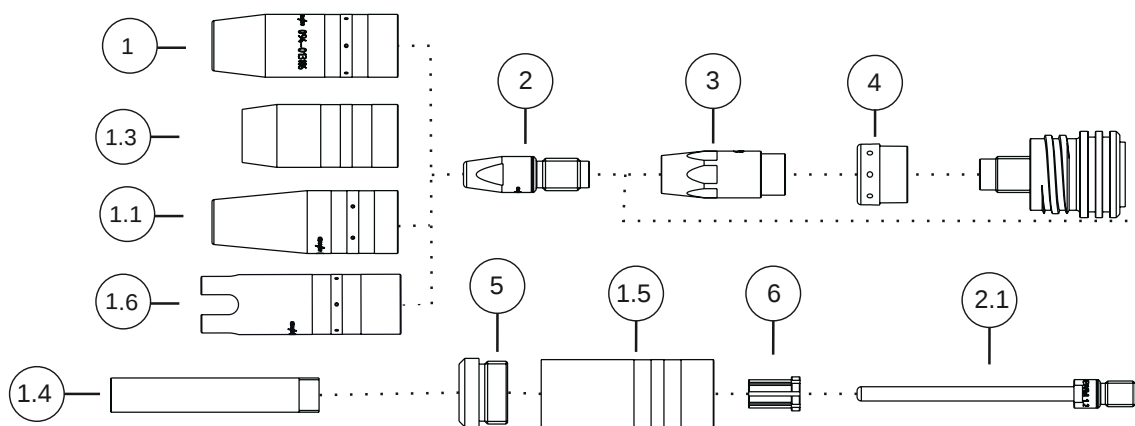
MT451WL 2U/DX /// MT451WL 2U/D



- Setting wire-feed speed and welding voltage or correcting the voltage
- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
MIG/MAG welding torch, 2 up/down, water cooled, with X Technology	M9	3		094-500120-20300		
		4	–	094-500120-20304		
		5		094-500120-20305		
MIG/MAG welding torch, 2 Up/Down, water cooled, long torch neck	M9	3		094-500059-20300		
		4		094-500059-20304		
		5		094-500059-20305		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT451WL Powercontrol

■ MT451WL PC1X

■ MT451WL PC2X

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- For alpha Q, Phoenix and Taurus Synergic S
- Torch neck 46 mm longer compared to standard torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	35 °

MT451WL PC1X /// MT451WL PC1



- Display and setting of wire feed speed
- Programs can also be optionally selected

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 1, water cooled, with X technology	M9	3		094-500120-20400		
		4	–	094-500120-20404		
		5		094-500120-20405		
MIG/MAG welding torch, Powercontrol 1, water-cooled, long torch neck		3		094-500059-20400		
		4		094-500059-20404		
		5		094-500059-20405		

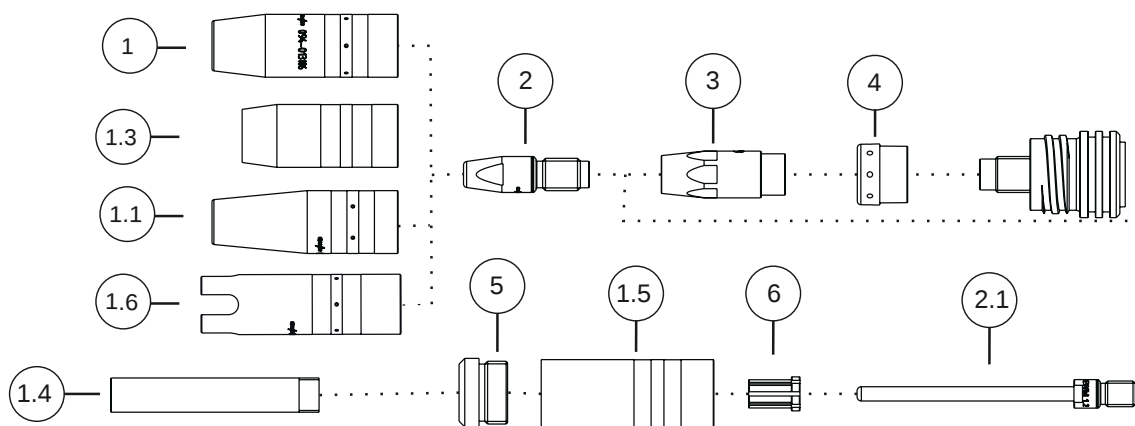
MT451WL PC2X /// MT451WL PC2



- Display and setting of wire feed speed and voltage correction
- Optionally also program and JOB selection

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 2, water cooled, with X technology	M9	3		094-500120-20700		
		4	–	094-500120-20704		
		5		094-500120-20705		
MIG/MAG welding torch, Powercontrol 2, water-cooled, long torch neck		3		094-500059-20700		
		4		094-500059-20704		
		5		094-500059-20705		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT451CW

■ MT451CW

Equipment ex works (steel wire):

- 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

- Water-cooled MIG/MAG welding torch with replaceable neck
- Equipped for 1.2 mm welding wire (steel)

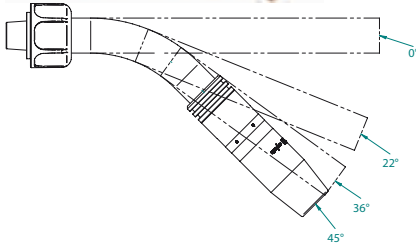
Duty cycle CO2	500 A / 100 %
Duty cycle M21	450 A / 100 %
Duty cycle M21 pulse	350 A / 100 %
Wire Ø	0.8 mm - 1.6 mm
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT451CW



Designation			Item no.		
		m			
MIG/MAG welding torch, water-cooled, replaceable neck	M9	3	094-500059-03000		
		4	094-500059-03004		
		5	094-500059-03005		

TN MT451CW



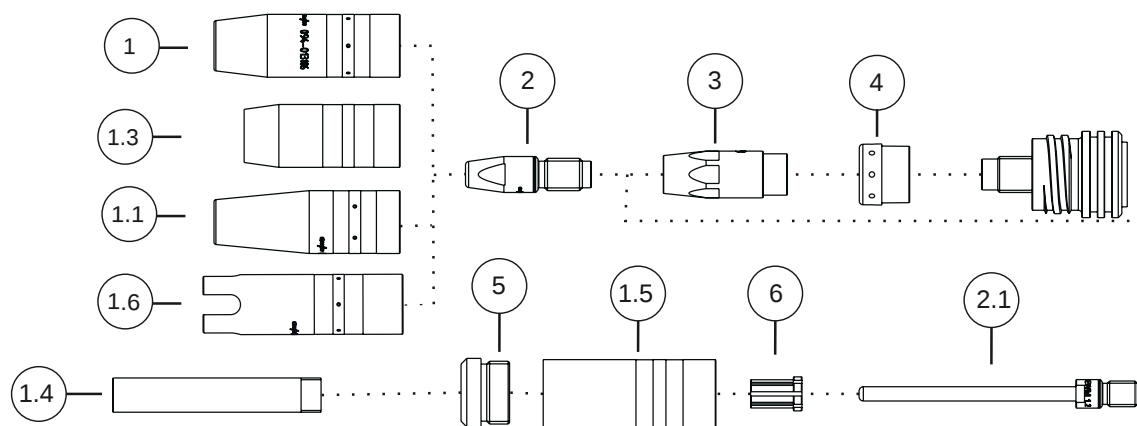
- Torch neck with different bend angles, without consumables

Designation	Bend angle torch neck	Item no.		
Torch neck	22 °	094-019484-E0000		
	36 °	094-019485-E0000		
	45 °	094-017528-E0000		



Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT451CW Up/Down

■ MT451CW U/DX

■ MT451CW 2U/DX

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water cooled MIG/MAG function torch with replaceable neck
- Programs can also be optionally selected

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT451CW U/DX /// MT451CW U/D



- Setting the wire feed speed
- For alpha Q, Phoenix and Taurus Synergic S

Designation				Item no.		
		m				
MIG/MAG welding torch, up/down, water cooled, with X Technology	M9	3		094-500120-03200		
		4	-	094-500120-03204		
		5		094-500120-03205		
MIG/MAG welding torch, up/down, water-cooled, replaceable neck	M9	3		094-500059-03200		
		4		094-500059-03204		
		5		094-500059-03205		

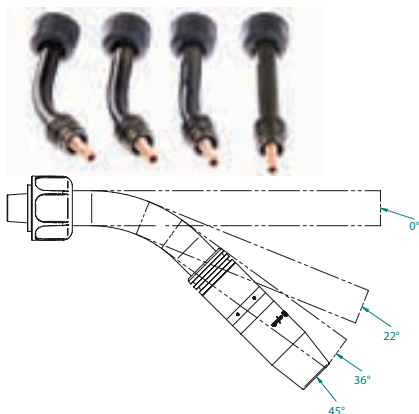
MT451CW 2U/DX /// MT451CW 2U/D



- Setting wire-feed speed and welding voltage or correcting the voltage
- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
MIG/MAG welding torch, 2 up/down, water cooled, with X Technology	M9	3		094-500120-03300		
		4	-	094-500120-03304		
		5		094-500120-03305		
MIG/MAG welding torch, 2 Up/Down, water-cooled, replaceable neck	M9	3		094-500059-03300		
		4		094-500059-03304		
		5		094-500059-03305		

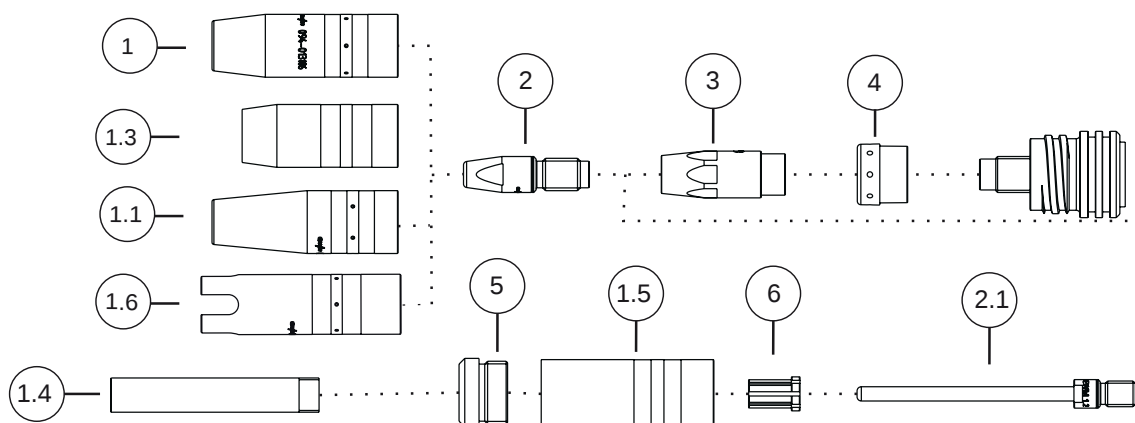
TN MT451CW



- Torch neck with different bend angles, without consumables

Designation	Bend angle torch neck	Item no.		
Torch neck	22 °	094-019484-E0000		
	36 °	094-019485-E0000		
	45 °	094-017528-E0000		

Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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MT451CW Powercontrol

MT451CW PC1X

MT451CW PC2X

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water cooled MIG/MAG function torch with replaceable neck
- For alpha Q, Phoenix and Taurus Synergic S

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT451CW PC1X /// MT451CW PC1



- Display and setting of wire feed speed
- Programs can also be optionally selected

Designation				Item no.		
		m				
MIG/MAG welding torch, Power-control 1, water cooled, with X technology	M9	3		094-500120-03400		
		4	–	094-500120-03404		
		5		094-500120-03405		
MIG/MAG welding torch, Powercontrol 1, water-cooled, replaceable neck		3		094-500059-03400		
		4		094-500059-03404		
		5		094-500059-03405		

MT451CW PC2X /// MT451CW PC2



- Display and setting of wire feed speed and voltage correction
- Optionally also program and JOB selection

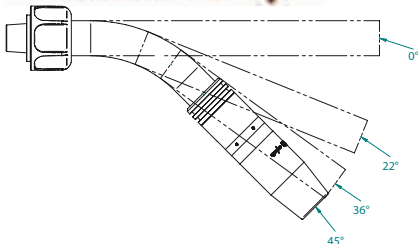
Designation				Item no.		
		m				
MIG/MAG welding torch, Power-control 2, water cooled, with X technology	M9	3		094-500120-03700		
		4	–	094-500120-03704		
		5		094-500120-03705		
MIG/MAG welding torch, Powercontrol 2, water-cooled, replaceable neck		3		094-500059-03700		
		4		094-500059-03704		
		5		094-500059-03705		

TN MT451CW

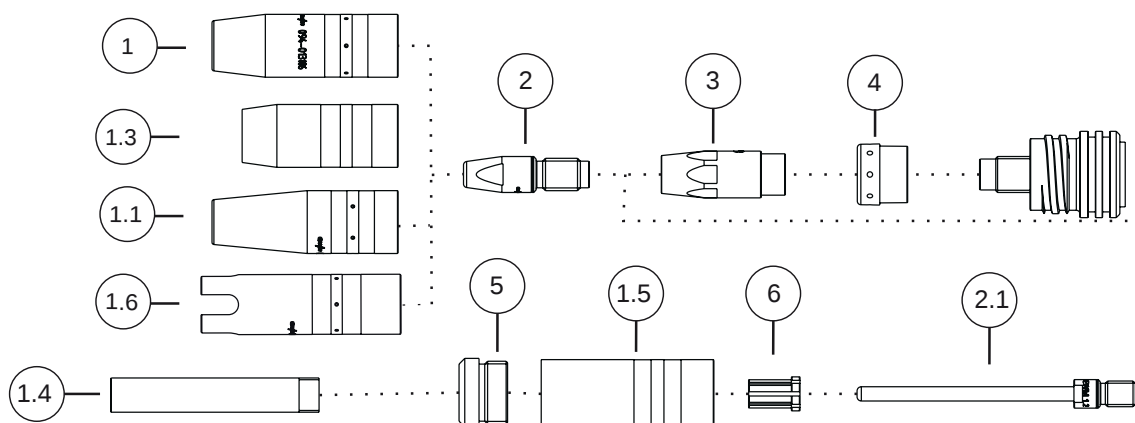


- Torch neck with different bend angles, without consumables

Designation	Bend angle torch neck	Item no.		
Torch neck	22 °	094-019484-E0000		
	36 °	094-019485-E0000		
	45 °	094-017528-E0000		



Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002
5	Capillary tube	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ MT451W F

■ MT451W F

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG fume extraction torch
- Continuously adjustable extraction nozzle
- Bypass valve to regulate the extraction rate
- For operation with high-vacuum extraction systems

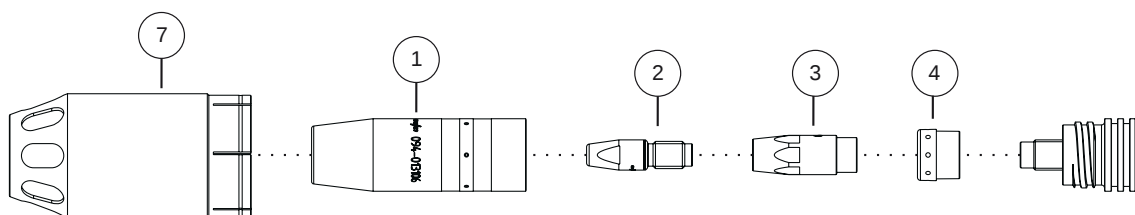
Duty cycle CO2	500 A / 100 %
Duty cycle M21	450 A / 100 %
Duty cycle M21 pulse	350 A / 100 %
Wire Ø	0.8 mm - 1.6 mm
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9

MT451W F



Designation			Item no.		
		m			
MIG/MAG welding torch, water-cooled, fume extraction	M9	3	094-500059-40000		
		4	094-500059-40004		
		5	094-500059-40005		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001		
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001		
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001		
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000		
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000		
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000		
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000		
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000		
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000		
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000		
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000		
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000		
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000		
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000		
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000		
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002		
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002		
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002		
7	Extraction nozzle	-	-	-	-	-	1	094-014997-00000		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT551W

■ MT551W

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG welding torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT551W



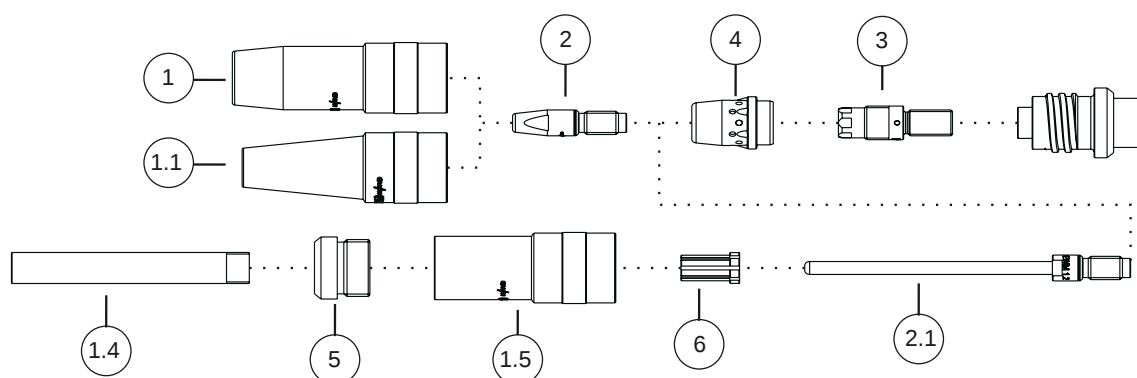
Designation			Item no.		
		m			
		3	094-500060-00000		
MIG/MAG welding torch, water-cooled	M9	4	094-500060-00004		
		5	094-500060-00005		



Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		



■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001		
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001		
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001		
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001		
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001		
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001		
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000		
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000		
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000		
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000		
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000		
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000		
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000		
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000		
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000		
2	Contact tip	-	2	M9	35	CuCrZr	10	094-013534-00000		
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000		
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000		
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000		
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000		
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000		
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000		
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00000		
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000		
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000		
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000		
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000		
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000		
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003		
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003		
4	Gas diffusers	20.2	-	-	25	Plastic	10	094-013111-00001		
5	Capillary tube	-	-	-	-	-	1	094-019625-00000		
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT551W Up/Down

■ MT551W U/DX

■ MT551W 2U/DX

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- Programs can also be optionally selected

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT551W U/DX /// MT551W U/D



- Setting the wire feed speed
- For alpha Q, Phoenix and Taurus Synergic S

Designation				Item no.		
		m				
MIG/MAG welding torch, up/down, water cooled, with X Technology	M9	3		094-500121-00200		
		4	–	094-500121-00204		
		5		094-500121-00205		
MIG/MAG welding torch, up/down, water cooled		3		094-500060-00200		
		4		094-500060-00204		
		5		094-500060-00205		

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

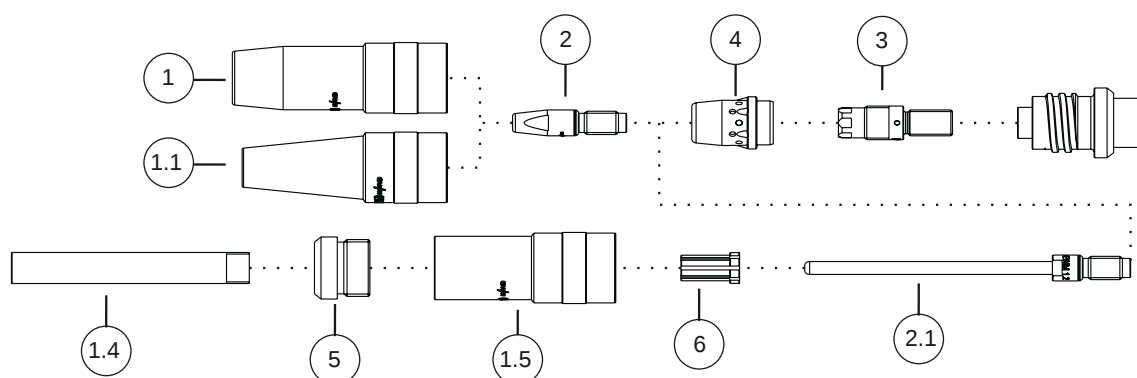


- Setting wire-feed speed and welding voltage or correcting the voltage
- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
MIG/MAG welding torch, 2 up/down, water cooled, with X Technology	M9	3		094-500121-00300		
		4	–	094-500121-00304		
		5		094-500121-00305		
MIG/MAG welding torch, 2 up/down, water cooled		3		094-500060-00300		
		4		094-500060-00304		
		5		094-500060-00305		



■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001		
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001		
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001		
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001		
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001		
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001		
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000		
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000		
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000		
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000		
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000		
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000		
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000		
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000		
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000		
2	Contact tip	-	2	M9	35	CuCrZr	10	094-013534-00000		
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000		
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000		
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000		
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000		
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000		
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000		
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00000		
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000		
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000		
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000		
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000		
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000		
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003		
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003		
4	Gas diffusers	20.2	-	-	25	Plastic	10	094-013111-00001		
5	Capillary tube	-	-	-	-	-	1	094-019625-00000		
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT551W Powercontrol

■ MT551W PC1X

■ MT551W PC2X

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- For alpha Q, Phoenix and Taurus Synergic S

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	45 °

MT551W PC1X /// MT551W PC1



- Display and setting of wire feed speed
- Programs can also be optionally selected

Designation				Item no.		
		m				
MIG/MAG welding torch, Power-control 1, water cooled, with X technology	M9	3		094-500121-00400		
		4	–	094-500121-00404		
		5		094-500121-00405		
MIG/MAG welding torch, Powercontrol 1, water-cooled		3		094-500060-00400		
		4		094-500060-00404		
		5		094-500060-00405		

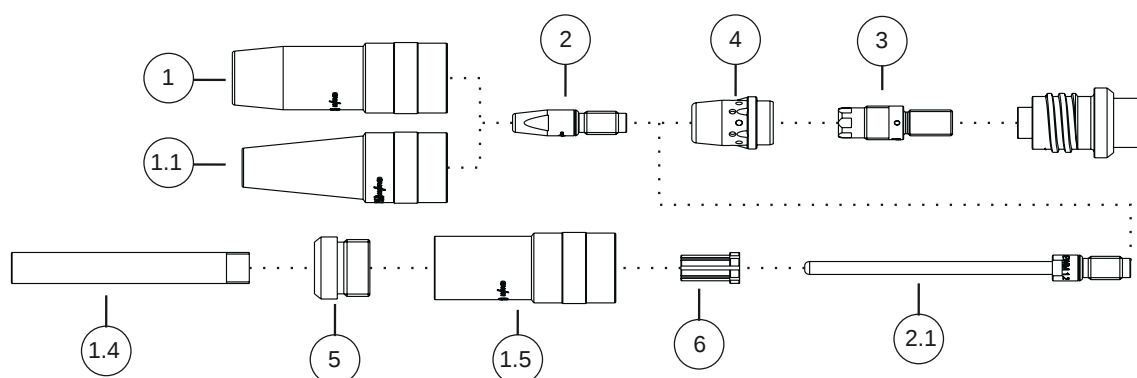
MT551W PC2X /// MT551W PC2



- Display and setting of wire feed speed and voltage correction
- Optionally also program and JOB selection

Designation				Item no.		
		m				
MIG/MAG welding torch, Power-control 2, water cooled, with X technology	M9	3		094-500121-00700		
		4	–	094-500121-00704		
		5		094-500121-00705		
MIG/MAG welding torch, Powercontrol 2, water-cooled		3		094-500060-00700		
		4		094-500060-00704		
		5		094-500060-00705		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001		
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001		
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001		
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001		
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001		
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001		
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000		
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000		
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000		
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000		
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000		
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000		
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000		
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000		
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000		
2	Contact tip	-	2	M9	35	CuCrZr	10	094-013534-00000		
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000		
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000		
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000		
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000		
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000		
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000		
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00000		
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000		
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000		
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000		
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000		
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000		
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003		
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003		
4	Gas diffusers	20.2	-	-	25	Plastic	10	094-013111-00001		
5	Capillary tube	-	-	-	-	-	1	094-019625-00000		
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT551WS

■ MT551WS

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG welding torch
- Torch neck 23 mm shorter compared to standard torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	36 °

MT551WS

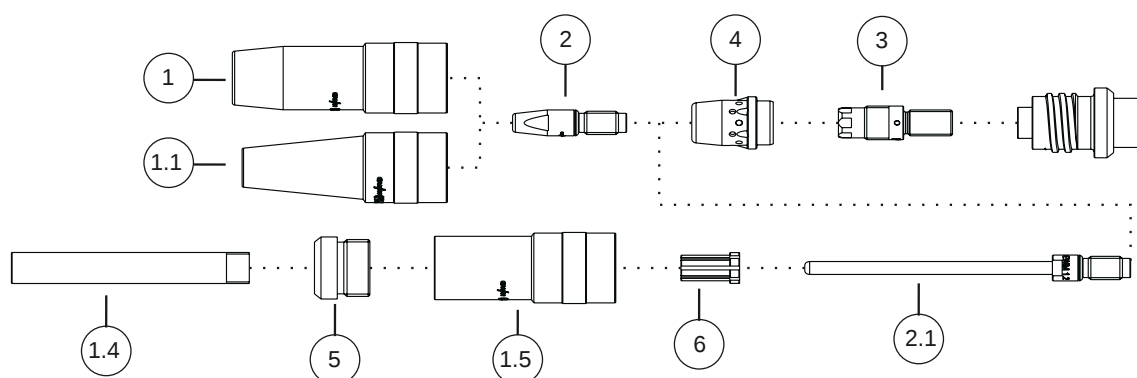


Designation			Item no.		
		m			
MIG/MAG welding torch, water-cooled, short torch neck	M9	3	094-500060-30000		
		4	094-500060-30004		
		5	094-500060-30005		



Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001		
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001		
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001		
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001		
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001		
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001		
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000		
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000		
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000		
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000		
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000		
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000		
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000		
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000		
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000		
2	Contact tip	-	2	M9	35	CuCrZr	10	094-013534-00000		
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000		
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000		
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000		
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000		
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000		
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000		
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00000		
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000		
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000		
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000		
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000		
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000		
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003		
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003		
4	Gas diffusers	20.2	-	-	25	Plastic	10	094-013111-00001		
5	Capillary tube	-	-	-	-	-	1	094-019625-00000		
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT551WS Up/Down

■ MT551WS U/DX

■ MT551WS 2U/DX

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- Programs can also be optionally selected
- Torch neck 23 mm shorter compared to standard torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	36 °

MT551WS U/DX /// MT551WS U/D



- Setting the wire feed speed
- For alpha Q, Phoenix and Taurus Synergic S

Designation				Item no.		
		m				
MIG/MAG welding torch, up/down, short torch neck, water-cooled, with X Technology	M9	3		094-500121-30200		
		4	–	094-500121-30204		
		5		094-500121-30205		
MIG/MAG welding torch, up/down, water-cooled, short torch neck		3		094-500060-30200		
		4		094-500060-30204		
		5		094-500060-30205		

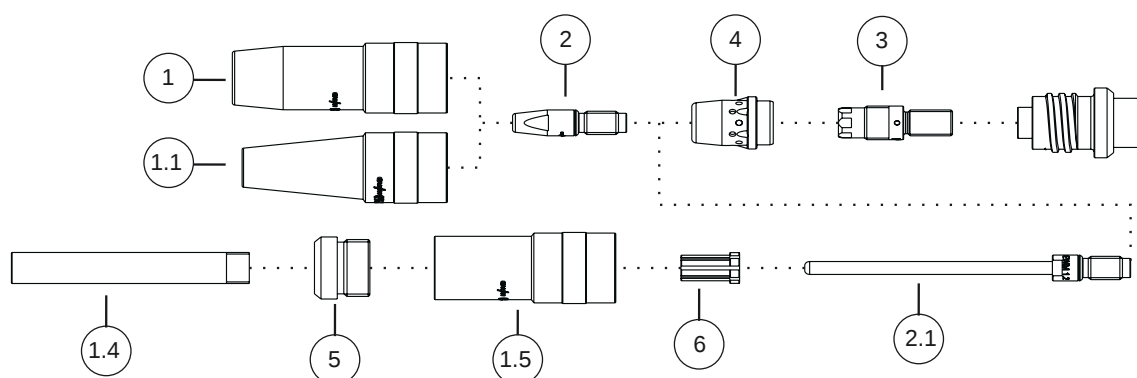
MT551WS 2U/DX /// MT551WS 2U/D



- Setting wire-feed speed and welding voltage or correcting the voltage
- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
MIG/MAG welding torch, 2 up/down, short torch neck, water-cooled, with X Technology	M9	3		094-500121-30300		
		4	–	094-500121-30304		
		5		094-500121-30305		
MIG/MAG welding torch, 2 up/down, water-cooled, short torch neck		3		094-500060-30300		
		4		094-500060-30304		
		5		094-500060-30305		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001		
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001		
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001		
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001		
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001		
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001		
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000		
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000		
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000		
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000		
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000		
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000		
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000		
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000		
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000		
2	Contact tip	-	2	M9	35	CuCrZr	10	094-013534-00000		
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000		
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000		
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000		
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000		
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000		
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000		
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00000		
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000		
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000		
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000		
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000		
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000		
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003		
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003		
4	Gas diffusers	20.2	-	-	25	Plastic	10	094-013111-00001		
5	Capillary tube	-	-	-	-	-	1	094-019625-00000		
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT551WS Powercontrol

■ MT551WS PC1X

■ MT551WS PC2X

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- For alpha Q, Phoenix and Taurus Synergic S
- Torch neck 23 mm shorter compared to standard torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	36 °

MT551WS PC1X /// MT551WS PC1



- Display and setting of wire feed speed
- Programs can also be optionally selected

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 1, water-cooled, short torch neck, with X technology	M9	3		094-500121-30400		
		4	–	094-500121-30404		
		5		094-500121-30405		
MIG/MAG welding torch, Powercontrol 1, water-cooled, short torch neck		3		094-500060-30400		
		4		094-500060-30404		
		5		094-500060-30405		

MT551WS PC2X /// MT551WS PC2

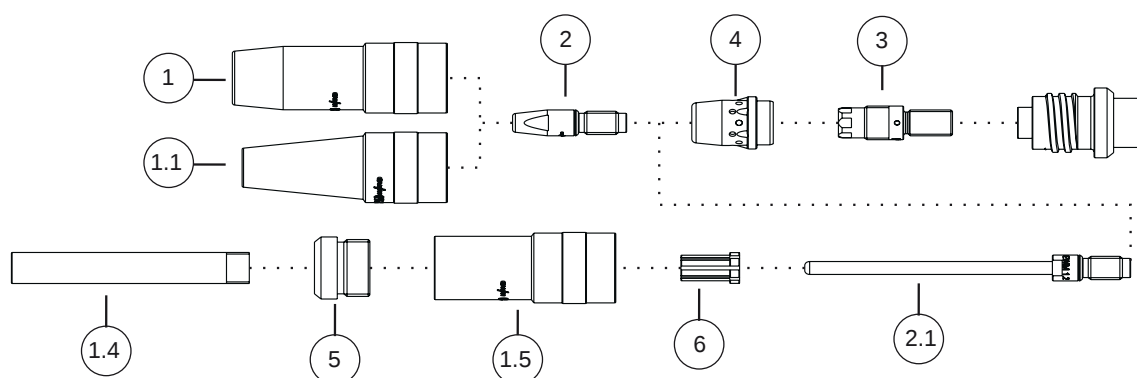


- Display and setting of wire feed speed and voltage correction
- Optionally also program and JOB selection

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 2, short torch neck, water-cooled, with X Technology	M9	3		094-500121-30700		
		4	–	094-500121-30704		
		5		094-500121-30705		
MIG/MAG welding torch, Powercontrol 2, water-cooled, short torch neck		3		094-500060-30700		
		4		094-500060-30704		
		5		094-500060-30705		



■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001		
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001		
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001		
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001		
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001		
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001		
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000		
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000		
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000		
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000		
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000		
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000		
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000		
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000		
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000		
2	Contact tip	-	2	M9	35	CuCrZr	10	094-013534-00000		
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000		
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000		
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000		
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000		
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000		
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000		
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00000		
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000		
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000		
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000		
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000		
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000		
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003		
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003		
4	Gas diffusers	20.2	-	-	25	Plastic	10	094-013111-00001		
5	Capillary tube	-	-	-	-	-	1	094-019625-00000		
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT551WL

■ MT551WL

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG welding torch
- Torch neck 48 mm longer compared to standard torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	35 °

MT551WL

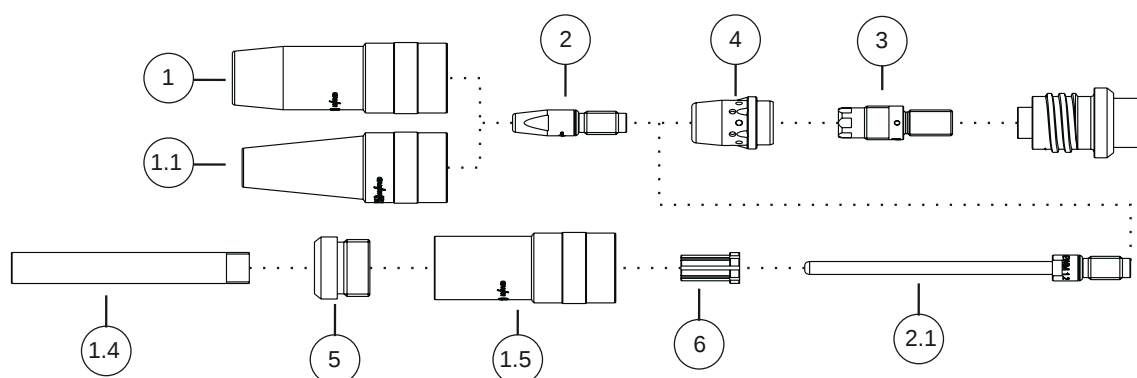


Designation			Item no.		
		m			
MIG/MAG welding torch, water-cooled, long torch neck	M9	3	094-500060-20000		
		4	094-500060-20004		
		5	094-500060-20005		



Designation	Item no.		
Conversion kit, upper torch trigger	092-007829-00500		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001		
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001		
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001		
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001		
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001		
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001		
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000		
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000		
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000		
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000		
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000		
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000		
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000		
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000		
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000		
2	Contact tip	-	2	M9	35	CuCrZr	10	094-013534-00000		
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000		
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000		
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000		
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000		
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000		
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000		
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00000		
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000		
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000		
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000		
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000		
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000		
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003		
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003		
4	Gas diffusers	20.2	-	-	25	Plastic	10	094-013111-00001		
5	Capillary tube	-	-	-	-	-	1	094-019625-00000		
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT551WL Up/Down

■ MT551WL U/DX

■ MT551WL 2U/DX

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- Programs can also be optionally selected
- Torch neck 48 mm longer compared to standard torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	35 °

MT551WL U/DX /// MT551WL U/D



- Setting the wire feed speed
- For alpha Q, Phoenix and Taurus Synergic S

Designation				Item no.		
		m				
MIG/MAG welding torch, up/down, water cooled, with X Technology	M9	3		094-500121-20200		
		4	–	094-500121-20204		
		5		094-500121-20205		
MIG/MAG welding torch, up/down, water-cooled, long torch neck		3		094-500060-20200		
		4		094-500060-20204		
		5		094-500060-20205		

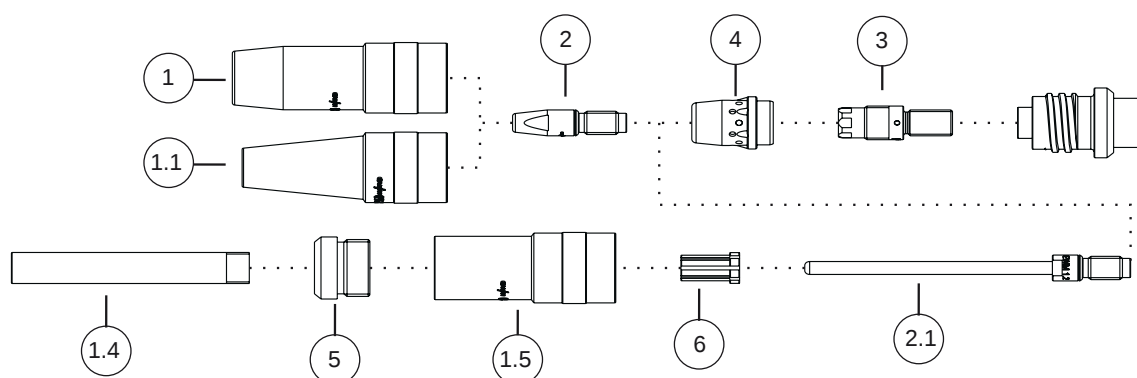
MT551WL 2U/DX /// MT551WL 2U/D



- Setting wire-feed speed and welding voltage or correcting the voltage
- For alpha Q, Phoenix, and Taurus

Designation				Item no.		
		m				
MIG/MAG welding torch, 2 up/down, water cooled, with X Technology	M9	3		094-500121-20300		
		4	–	094-500121-20304		
		5		094-500121-20305		
MIG/MAG welding torch, 2 Up/Down, water cooled, long torch neck		3		094-500060-20300		
		4		094-500060-20304		
		5		094-500060-20305		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001		
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001		
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001		
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001		
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001		
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001		
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000		
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000		
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000		
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000		
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000		
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000		
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000		
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000		
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000		
2	Contact tip	-	2	M9	35	CuCrZr	10	094-013534-00000		
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000		
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000		
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000		
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000		
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000		
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000		
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00000		
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000		
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000		
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000		
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000		
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000		
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003		
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003		
4	Gas diffusers	20.2	-	-	25	Plastic	10	094-013111-00001		
5	Capillary tube	-	-	-	-	-	1	094-019625-00000		
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ MT551WL Powercontrol

■ MT551WL PC1X

■ MT551WL PC2X

Equipment ex works (steel wire):

- 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

- Equipped for 1.2 mm welding wire (steel)
- Water-cooled MIG/MAG function torch
- For alpha Q, Phoenix and Taurus Synergic S
- Torch neck 48 mm longer compared to standard torch

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9
Bend angle torch neck	35 °

MT551WL PC1X /// MT551WL PC1



- Display and setting of wire feed speed
- Programs can also be optionally selected

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 1, water cooled, with X technology	M9	3		094-500121-20400		
		4	–	094-500121-20404		
		5		094-500121-20405		
MIG/MAG welding torch, Powercontrol 1, water-cooled, long torch neck		3		094-500060-20400		
		4		094-500060-20404		
		5		094-500060-20405		

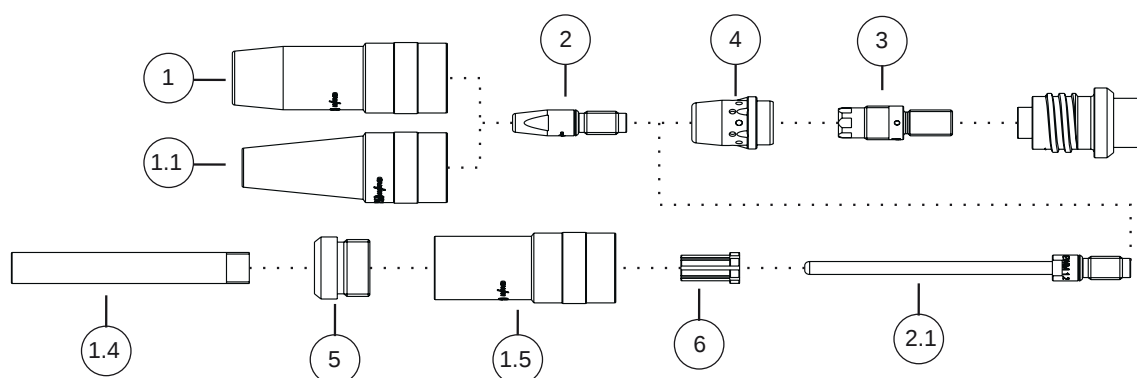
MT551WL PC2X /// MT551WL PC2



- Display and setting of wire feed speed and voltage correction
- Optionally also program and JOB selection

Designation				Item no.		
		m				
MIG/MAG welding torch, Powercontrol 2, water cooled, with X technology	M9	3		094-500121-20700		
		4	–	094-500121-20704		
		5		094-500121-20705		
MIG/MAG welding torch, Powercontrol 2, water-cooled, long torch neck		3		094-500060-20700		
		4		094-500060-20704		
		5		094-500060-20705		

■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001		
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001		
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001		
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001		
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001		
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001		
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000		
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000		
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000		
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000		
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000		
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000		
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000		
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000		
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000		
2	Contact tip	-	2	M9	35	CuCrZr	10	094-013534-00000		
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000		
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000		
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000		
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000		
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000		
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000		
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00000		
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000		
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000		
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000		
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000		
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000		
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003		
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003		
4	Gas diffusers	20.2	-	-	25	Plastic	10	094-013111-00001		
5	Capillary tube	-	-	-	-	-	1	094-019625-00000		
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

Product details

Steel liners / Liners

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Adapters

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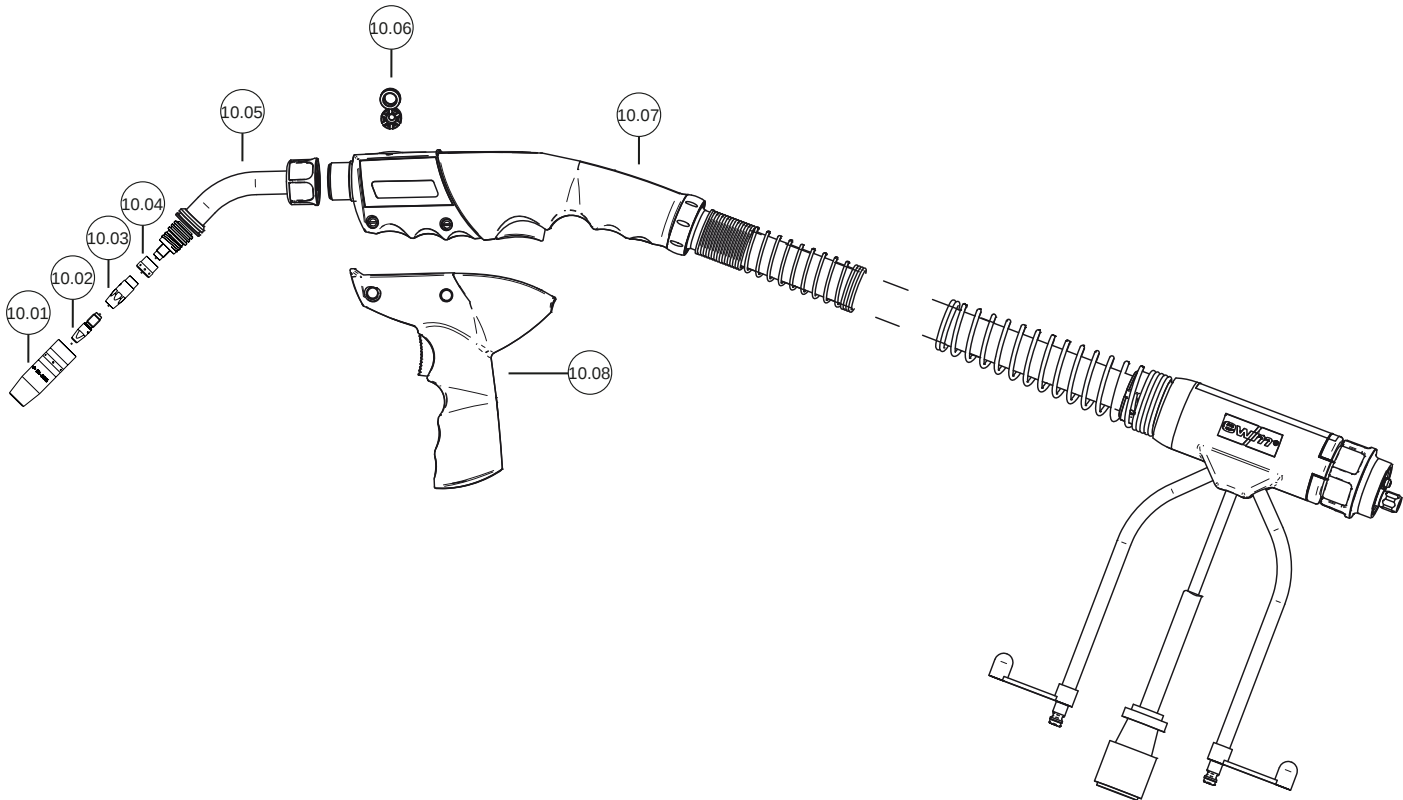
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■ Welding torch components and design



■ Components

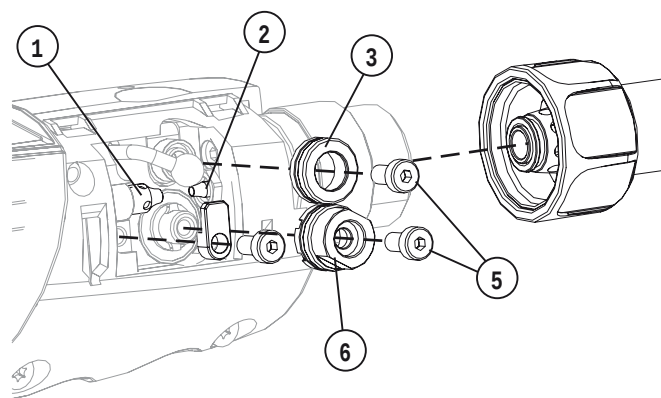
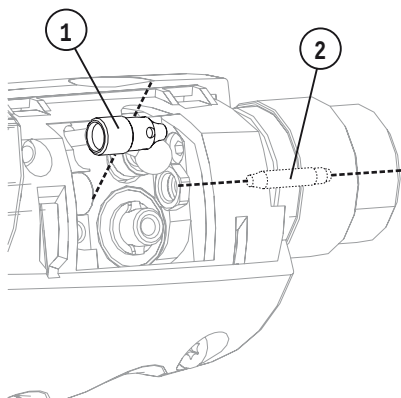
Please note that all necessary components must be ordered separately. This ensures that you are able to equip your welding torch according to your requirements, right from the start.

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 performance classes and bend angles
10.06	Wire feed rollers 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
	+	
		+
		

■ **Wear parts for drive unit**



Item	Type	Version	Description	Item no.	PU	Pc.	
1	DED		Inlet guide nozzle	094-019335-00000	1		
2	DFH		Wire guide bush	094-019334-00000	1		
3,5,6	SET ALU PP 0,8	Ø 0.8 mm	Aluminium roller set	094-019523-00000	1		
3,5,6	SET ALU PP 0,9	Ø 0.9 mm	Aluminium roller set	094-019524-00000	1		
3,5,6	SET ALU PP 1,0	Ø 1.0 mm	Aluminium roller set	094-019525-00000	1		
3,5,6	SET ALU PP 1,2	Ø 1.2 mm	Aluminium roller set	094-019526-00000	1		
3,5,6	SET ALU PP 1,6	Ø 1.6 mm	Aluminium roller set	094-020714-00000	1		
3,5,6	SET STAHL PP 0,8	Ø 0.8 mm	Steel roller set	094-019527-00000	1		
3,5,6	SET STAHL PP 0,9	Ø 0.9 mm	Steel roller set	094-019528-00000	1		
3,5,6	SET STAHL PP 1,0	Ø 1.0 mm	Steel roller set	094-019529-00000	1		
3,5,6	SET STAHL PP 1,2	Ø 1.2 mm	Steel roller set	094-019530-00000	1		
3,5,6	SET STAHL PP 1,6	Ø 1.6 mm	Steel roller set	094-020688-00000	1		
-	3.8 x 1.5 mm	Ø 3.8 x 1.5 mm	O-ring	094-019510-00000	10		



Gas-cooled

PP MTCG

- Note: 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.

- MT push/pull welding torch
- Self-itching
- Colour-coded wire feed rollers
- Plug&play with EWM machines
- Torch necks with various bend angles may be ordered separately
- Wire feed rollers may be ordered separately
- Wear parts for the torch neck may be ordered separately

Connection

Euro torch connector, 19-pole

PP MTCG



- Drive unit, including hose package
- Compatible with alpha Q, Phoenix and Taurus Synergic S

Description		Item no.		
	m			
Drive unit, including hose package, for gas-cooled torch necks	6	094-500107-00006		
	8	094-500107-00008		
	10	094-500107-00010		

PP MTCG U/D



- Drive unit, including hose package, with up/down control (U/D)
- Setting of wire feed speed
- Program selection also available as an option
- Compatible with alpha Q, Phoenix, Picomig 305 and Taurus Synergic S

Description		Item no.		
	m			
Drive unit, including hose package, for gas-cooled torch necks, up/down	6	094-500107-00206		
	8	094-500107-00208		
	10	094-500107-00210		

PP MTCG 2U/D



- Drive unit, including hose package, with 2 up/down controls (2U/D)
- Setting of wire feed speed and welding voltage or voltage correction
- Program selection also available as an option
- Compatible with alpha Q, Phoenix, Taurus Synergic S and Taurus Basic

Description		Item no.		
	m			
Drive unit, including hose package, for gas-cooled torch necks, 2 up/down	6	094-500107-00306		
	8	094-500107-00308		
	10	094-500107-00310		

PP MTCG PC1



- Drive unit, including hose package, with Powercontrol (PC1)
- Display and setting of wire feed speed
- Program selection also available as an option
- Compatible with alpha Q, Phoenix and Taurus Synergic S

Description		Item no.		
	m			
Drive unit, including hose package, for gas-cooled torch necks, Powercontrol 1	6	094-500107-00406		
	8	094-500107-00408		
	10	094-500107-00410		


PP MTCG PC2


- Drive unit, including hose package, with Powercontrol2 (PC2)
- Display and setting of wire feed speed and voltage correction
- Program and JOB selection also available as an option
- Compatible with alpha Q, Phoenix and Taurus Synergic S

Description		Item no.		
	m			
Drive unit, including hose package, for gas-cooled torch necks, Powercontrol 2	6	094-500107-00706		
	8	094-500107-00708		
	10	094-500107-00710		

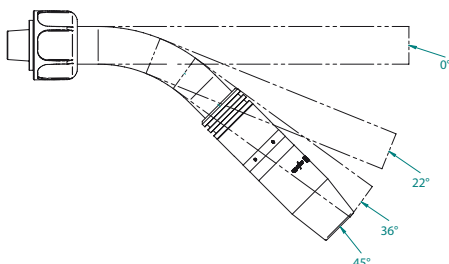
ON pistol grip


Description	Item no.		
Optional pistol grip	094-019472-00000		

TN MT221CG


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
Gas flow	10 l/min–20 l/min

- Torch neck with various bend angles without wear parts

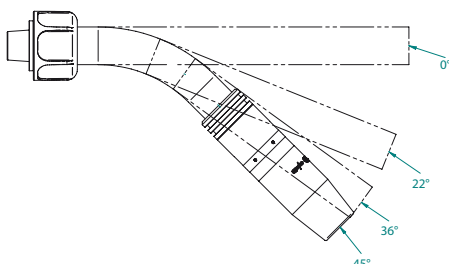


Description	Torch neck bend angle	Item no.		
Torch neck	0°	094-019425-E0000		
	22°	094-017983-E0000		
	36°	094-017984-E0000		
	45°	094-017268-E0000		

TN MT301CG


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
Gas flow	10 l/min–20 l/min

- Torch neck with various bend angles without wear parts



Description	Torch neck bend angle	Item no.		
Torch neck	0°	094-019427-E0000		
	22°	094-017985-E0000		
	36°	094-017986-E0000		
	45°	094-017307-E0000		



Water-cooled

PP MTCW

- Note: 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.

- MT push/pull welding torch
- Self-itching
- Colour-coded wire feed rollers
- Plug&play with EWM machines
- Torch necks with various bend angles may be ordered separately
- Wire feed rollers may be ordered separately
- Wear parts for the torch neck may be ordered separately

Connection

Euro torch connector, 19-pole

PP MTCW



- Drive unit, including hose package
- For alpha Q, Phoenix and Taurus Synergic S

Description		Item no.		
	m			
Drive unit, including hose package, for water-cooled torch necks	6	094-500108-00006		
	8	094-500108-00008		
	10	094-500108-00010		

PP MTCW U/D



- Drive unit, including hose package, with up/down control (U/D)
- Setting of wire feed speed
- Program selection also available as an option
- For alpha Q, Phoenix and Taurus Synergic S

Description		Item no.		
	m			
Drive unit, including hose package, for water-cooled torch necks, up/down	6	094-500108-00206		
	8	094-500108-00208		
	10	094-500108-00210		

PP MTCW 2U/D



- Drive unit, including hose package, with 2 up/down controls (2U/D)
- Setting of wire feed speed and welding voltage or voltage correction
- Program selection also available as an option
- Compatible with alpha Q, Phoenix, Taurus Synergic S and Taurus Basic

Description		Item no.		
	m			
Drive unit, including hose package, for water-cooled torch necks, 2 up/down	6	094-500108-00306		
	8	094-500108-00308		
	10	094-500108-00310		

PP MTCW PC1



- Drive unit, including hose package, with Powercontrol (PC1)
- Display and setting of wire feed speed
- Program selection also available as an option
- For alpha Q, Phoenix and Taurus Synergic S

Description		Item no.		
	m			
Drive unit, including hose package, for water-cooled torch necks, Powercontrol 1	6	094-500108-00406		
	8	094-500108-00408		
	10	094-500108-00410		


PP MTCW PC2


- Drive unit, including hose package, with Powercontrol2 (PC2)
- Display and setting of wire feed speed and voltage correction
- Program and JOB selection also available as an option
- For alpha Q, Phoenix and Taurus Synergic S

Description		Item no.		
	m			
Drive unit, including hose package, for water-cooled torch necks, Powercontrol 2	6	094-500108-00706		
	8	094-500108-00708		
	10	094-500108-00710		

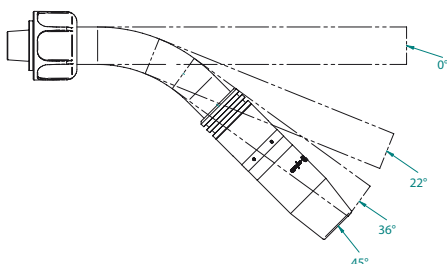
ON pistol grip


Description	Item no.		
Optional pistol grip	094-019472-00000		

TN MT301CW


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
Gas flow	10 l/min–25 l/min

- Torch neck with various bend angles without wear parts

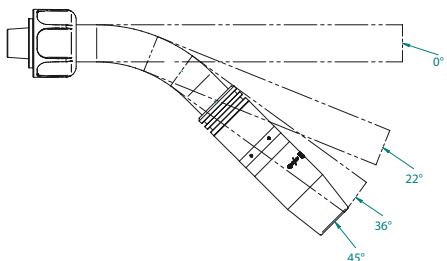


Description	Torch neck bend angle	Item no.		
Torch neck	0 °	094-019428-E0000		
	22 °	094-017988-E0000		
	36 °	094-017989-E0000		
	45 °	094-017526-E0000		

TN MT451CW


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
Gas flow	10 l/min–25 l/min

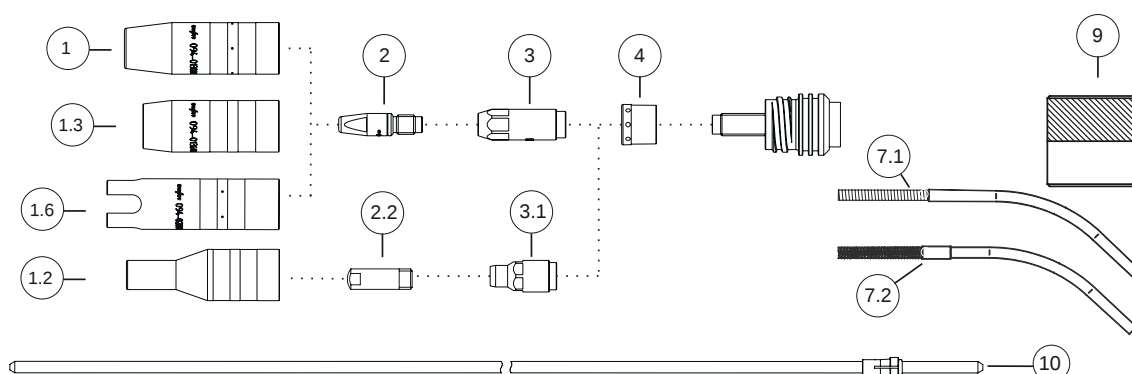
- Torch neck with various bend angles without wear parts



Description	Torch neck bend angle	Item no.		
Torch neck	0 °	094-019483-E0000		
	22 °	094-019484-E0000		
	36 °	094-019485-E0000		
	45 °	094-017528-E0000		



Consumables TN 221CG/TN 301CW



► Euro torch connector ex works. Other connectors on request. ► You will find other wear and spare parts in our spare parts catalogue.

Item	Description	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	Material	PU Pc.	Item no.
1	Gas nozzle	11	-	-	66	-	10	094-013062-00001
1	Gas nozzle	13	-	-	66	-	10	094-013061-00001
1	Gas nozzle	16	-	-	66	-	10	094-013063-00001
1.2	Gas nozzle, cylinder neck	10.5	-	-	68	-	2	094-020136-00000
1.3	Gas nozzle, inner shield	-	-	-	58	-	10	094-013644-00000
1.6	Spot welding nozzle	18	-	-	75	-	10	094-020944-00000
2	Contact tip	-	0.8	M7	30	CuCrZr	10	094-013535-00000
2	Contact tip	-	0.9	M7	30	CuCrZr	10	094-013536-00000
2	Contact tip	-	1	M7	30	CuCrZr	10	094-013537-00000
2	Contact tip	-	1.2	M7	30	CuCrZr	10	094-013538-00000
2	Contact tip, aluminium welding	-	0.8	M7	30	E-Cu	10	094-013550-00000
2	Contact tip, aluminium welding	-	0.9	M7	30	E-Cu	10	094-013551-00000
2	Contact tip, aluminium welding	-	1	M7	30	E-Cu	10	094-013552-00000
2	Contact tip, aluminium welding	-	1.2	M7	30	E-Cu	10	094-013553-00000
2.2	Contact tip	-	0.6	M6	25	CuCrZr	10	094-005403-00000
2.2	Contact tip	-	0.8	M6	25	CuCrZr	10	094-020689-00000
2.2	Contact tip	-	1	M6	25	CuCrZr	10	094-020690-00000
2.2	Contact tip	-	0.6	M6	25	E-Cu	10	094-020691-00000
2.2	Contact tip	-	0.8	M6	25	E-Cu	10	094-020692-00000
2.2	Contact tip	-	0.9	M6	25	E-Cu	10	094-020693-00000
2.2	Contact tip	-	1	M6	25	E-Cu	10	094-020694-00000
2.2	Contact tip, aluminium welding	-	0.6	M6	25	E-Cu	10	094-020695-00000
2.2	Contact tip, aluminium welding	-	0.8	M6	25	E-Cu	10	094-020696-00000
2.2	Contact tip, aluminium welding	-	0.9	M6	25	E-Cu	10	094-020697-00000
2.2	Contact tip, aluminium welding	-	1	M6	25	E-Cu	10	094-020698-00000
3	Contact tip holder	-	-	M7	34.5	CuCrZr	10	094-013542-00002
3	Contact tip holder	-	-	M7	31.5	CuCrZr	10	094-013541-00002
3.1	Contact tip holder	-	-	M6	30.5	CuCrZr	10	094-020562-00000
4	Gas diffuser	-	-	-	-	Plastic	10	094-013094-00002
7.1	Wire guide, steel	-	-	-	250	-	1	092-018691-00000
7.2	Wire guide, Teflon	-	-	-	250	-	1	092-018692-00000
9	Trimming jig	-	-	-	-	-	1	094-019564-00000
10	PA liner	-	1.6-2.0	-	6000	PA	1	094-021160-00006
10	PA liner	-	1.6-2.0	-	8000	PA	1	094-021160-00008
10	PA liner	-	1.6-2.0	-	10000	PA	1	094-021160-00010
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

Product details

Steel liners/liners

MT Series wear part sets

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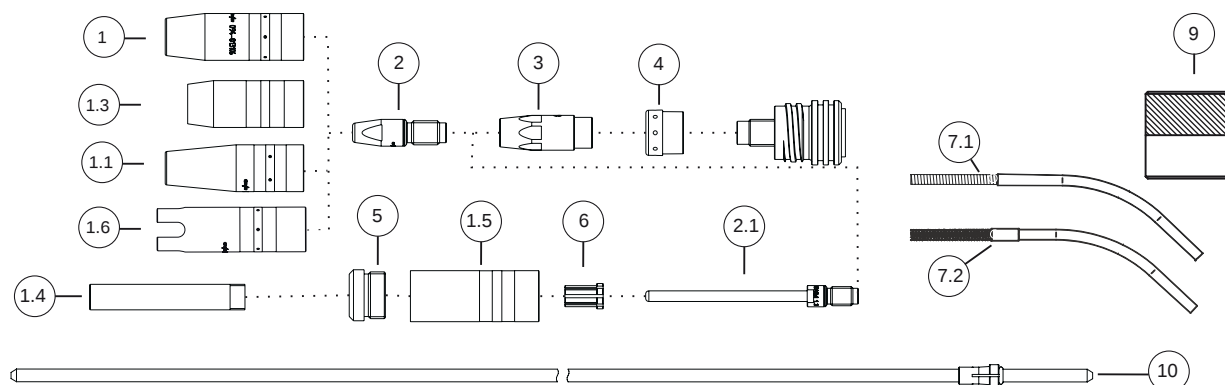
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Consumables TN 301CG/TN 451CW



► Euro torch connector ex works. Other connectors on request. ► You will find other wear and spare parts in our spare parts catalogue.

Item	Description	Nozzle Ø	Wire Ø	Thread	Length	Material	PU	Item no.
		mm	mm		mm		Pc.	
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001
1.1	Highly conical gas nozzle, narrow gap welding	13	-	-	71	-	10	094-019853-00001
1.3	Gas nozzle, inner shield	-	-	-	59.5	-	10	094-019554-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000
1.6	Spot welding nozzle	20	-	-	80	-	10	094-020945-00000
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002
4	Gas diffuser	-	-	-	-	Plastic	10	094-013096-00002
5	Insulation part	-	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000
7.1	Wire guide, steel	-	-	-	250	-	1	092-018691-00000
7.2	Wire guide, Teflon	-	-	-	250	-	1	092-018692-00000
9	Trimming jig	-	-	-	-	-	1	094-019564-00000
10	PA liner	-	1.6-2.0	-	6000	PA	1	094-021160-00006
10	PA liner	-	1.6-2.0	-	8000	PA	1	094-021160-00008
10	PA liner	-	1.6-2.0	-	10000	PA	1	094-021160-00010
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001

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■ Push/pull torch equipment sets

MT221CG/MT301CW St M7



- Push/pull 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 roller
 - 1 x drive roll

Thread, contact tip

M7

Version

Suitable for TN MT221CG/TN MT301CW

Description	Wire Ø mm	Item no.		
Equipment set for push/pull torch, steel	0.8	092-003671-00008		
	0.9	092-003671-00009		
	1.0	092-003671-00010		
	1.2	092-003671-00012		

MT221CG/MT301CW CrNi M7



- Push/pull 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 roller
 - 1 x drive roll

Thread, contact tip

M7

Version

Suitable for TN MT221CG/TN MT301CW

Description	Wire Ø mm	Item no.		
Equipment set for push/pull torch, CrNi	0.8	092-003673-00008		
	0.9	092-003673-00009		
	1.0	092-003673-00010		
	1.2	092-003673-00012		

MT221CG/MT301CW Alu M7



- Push/pull 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 roller
 - 1 x drive roll

Thread, contact tip

M7

Version

Suitable for TN MT221CG/TN MT301CW

Description	Wire Ø mm	Item no.		
Equipment set for push/pull torch, aluminium	0.8	092-003672-00008		
	0.9	092-003672-00009		
	1.0	092-003672-00010		
	1.2	092-003672-00012		


MT301CG/MT451CW St M9


- Push/pull 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 roller
 - 1 x drive roll

Thread, contact tip
M9
Version

Suitable for TN MT301CG/TN MT451CW

Description	Wire Ø mm	Item no.		
Equipment set for push/pull torch, steel	0.8	092-003674-00008		
	0.9	092-003674-00009		
	1.0	092-003674-00010		
	1.2	092-003674-00012		

MT301CG/MT451CW CrNi M9


- Push/pull 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 roller
 - 1 x drive roll

Thread, contact tip
M9
Version

Suitable for TN MT301CG/TN MT451CW

Description	Wire Ø mm	Item no.		
Equipment set for push/pull torch, CrNi	0.8	092-003676-00008		
	0.9	092-003676-00009		
	1.0	092-003676-00010		
	1.2	092-003676-00012		

MT301CG/MT451CW Alu M9


- Push/pull 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 roller
 - 1 x drive roll

Thread, contact tip
M9
Version

Suitable for TN MT301CG/TN MT451CW

Description	Wire Ø mm	Item no.		
Equipment set for push/pull torch, aluminium	0.8	092-003675-00008		
	0.9	092-003675-00009		
	1.0	092-003675-00010		
	1.2	092-003675-00012		



Gas-cooled

■ AMT301G

- Gas cooled MIG/MAG automated welding torch
- Consumables identical to MT301G
- Clamping diameter range 38 mm
- Equipped for 1.0 mm welding wire (steel)

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
Gas flow	10 l/min - 20 l/min
Connection	Euro torch connector
Thread, contact tip	M9

AMT301G



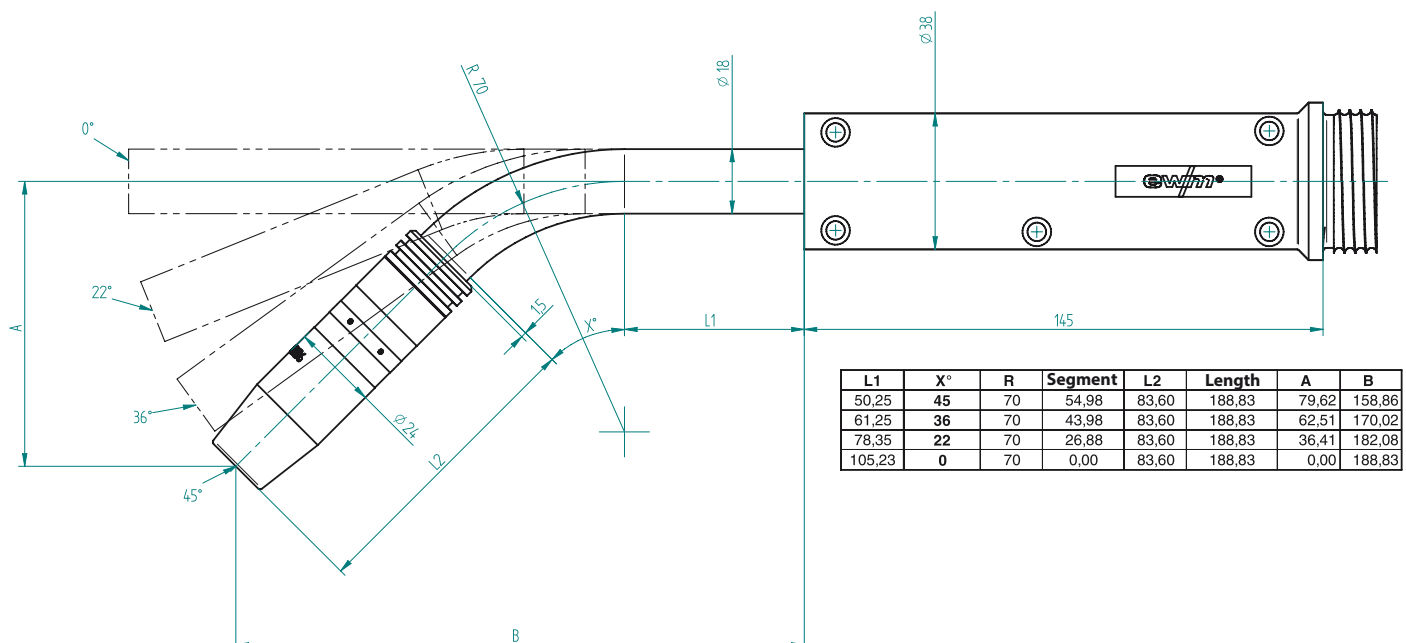
Designation	Bend angle torch neck			Item no.		
			m			
Automated MIG/ MAG welding torch, gas-cooled	0 °	M9	1.5	094-500061-00015		
			3	094-500061-00000		
			4	094-500061-00004		
			5	094-500061-00005		
	22 °		1.5	094-500062-00015		
			3	094-500062-00000		
			4	094-500062-00004		
			5	094-500062-00005		
	36 °		1.5	094-500063-00015		
			3	094-500063-00000		
			4	094-500063-00004		
			5	094-500063-00005		
	45 °		1.5	094-500064-00015		
			3	094-500064-00000		
			4	094-500064-00004		
			5	094-500064-00005		

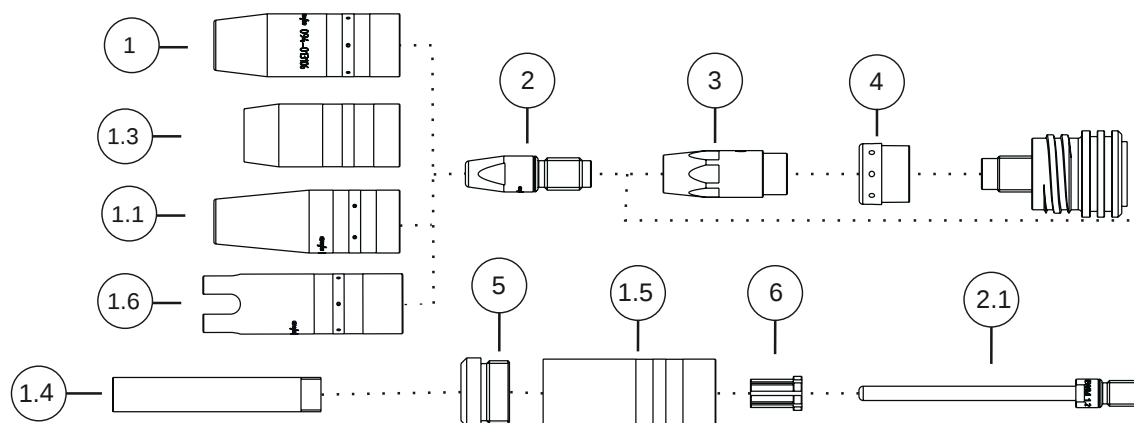
TH



- Torch holder for AMT welding torches, including mounting components

Type	Designation	Item no.		
TH AMT	Torch holder suitable for AMT torches	092-019400-00000		





► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.		
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001		
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001		
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001		
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001		
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000		
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000		
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000		
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000		
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000		
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000		
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000		
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000		
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000		
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000		
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000		
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000		
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000		
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000		
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000		
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000		
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000		
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000		
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000		
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000		
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000		
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002		
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002		
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002		
5	Capillary tube	-	-	-	-	-	1	094-019625-00000		
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000		
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001		

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■ Water-cooled

■ AMT451W

- 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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9

AMT451W



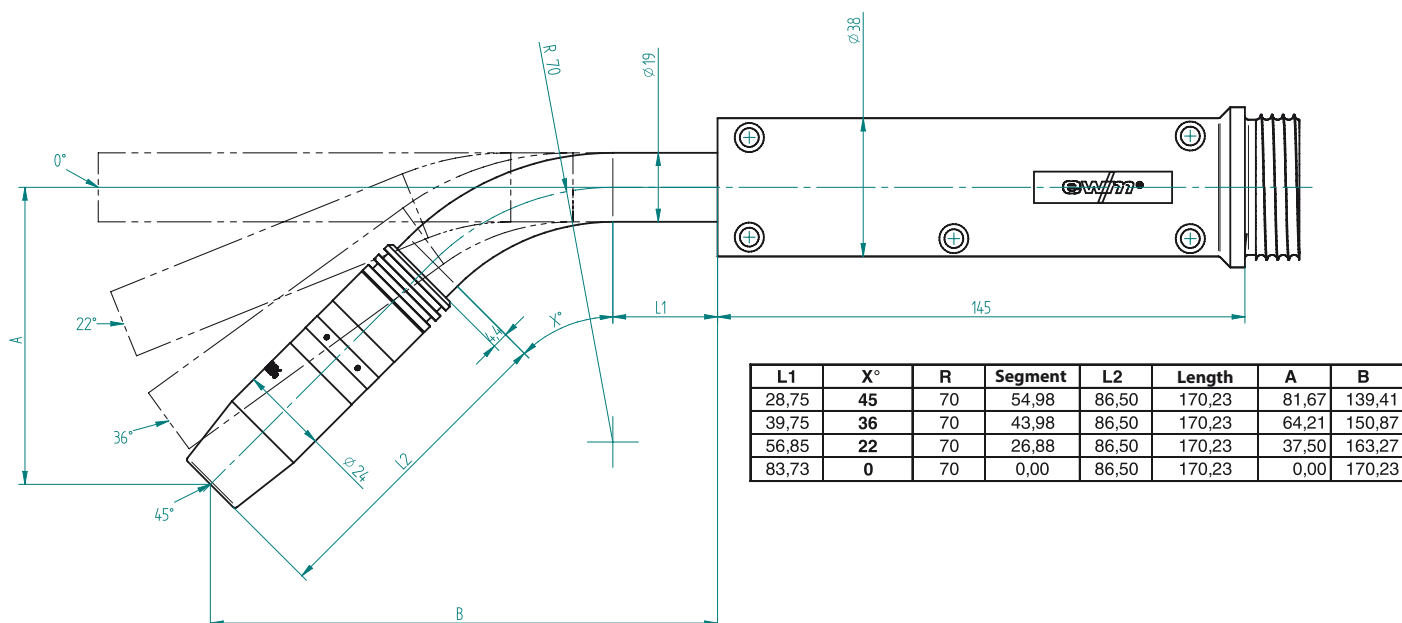
Designation	Bend angle torch neck			Item no.		
			m			
Automated MIG/ MAG welding torch, water-cooled	0 °	M9	1.5	094-500065-00015		
			3	094-500065-00000		
			4	094-500065-00004		
			5	094-500065-00005		
	22 °		1.5	094-500066-00015		
			3	094-500066-00000		
			4	094-500066-00004		
			5	094-500066-00005		
	36 °		1.5	094-500067-00015		
			3	094-500067-00000		
			4	094-500067-00004		
			5	094-500067-00005		
	45 °		1.5	094-500068-00015		
			3	094-500068-00000		
			4	094-500068-00004		
			5	094-500068-00005		

TH

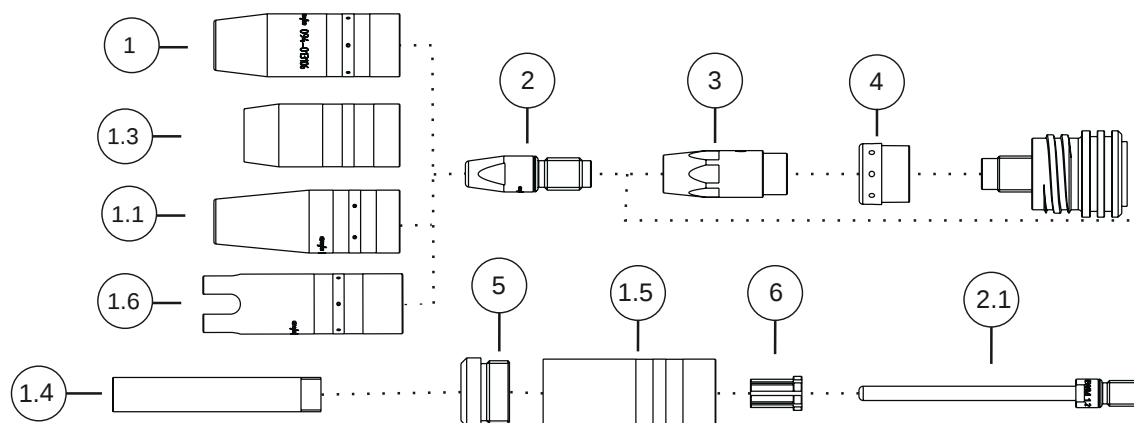


- Torch holder for AMT welding torches, including mounting components

Type	Designation	Item no.		
TH AMT	Torch holder suitable for AMT torches	092-019400-00000		



■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.	
1	Gas nozzle	13	-	-	71	-	10	094-013105-00001	
1	Gas nozzle	15	-	-	71	-	10	094-013106-00001	
1	Gas nozzle	18	-	-	71	-	10	094-013107-00001	
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	71	-	10	094-019853-00001	
1.3	Gas nozzle, Innershield	-	-	-	59.5	-	10	094-019554-00000	
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	
1.5	Gas nozzle body	-	-	-	-	-	10	094-019623-00000	
1.6	Spot gas nozzle	20	-	-	80	-	10	094-020945-00000	
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000	
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000	
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000	
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000	
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000	
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000	
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000	
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000	
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000	
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000	
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000	
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000	
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	
3	Contact tip holder	-	-	M9	34.5	CuCrZr	10	094-013539-00002	
3	Contact tip holder	-	-	M9	37.5	CuCrZr	10	094-013540-00002	
4	Gas diffusers	-	-	-	-	Plastic	10	094-013096-00002	
5	Capillary tube	-	-	-	-	-	1	094-019625-00000	
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001	

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Water-cooled

■ AMT551W

- Water cooled MIG/MAG welding torch
- Consumables identical to MT551W
- Clamping diameter range 38 mm
- Equipped for 1.2 mm welding wire (steel)

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
Gas flow	10 l/min - 25 l/min
Connection	Euro torch connector
Thread, contact tip	M9

AMT551W



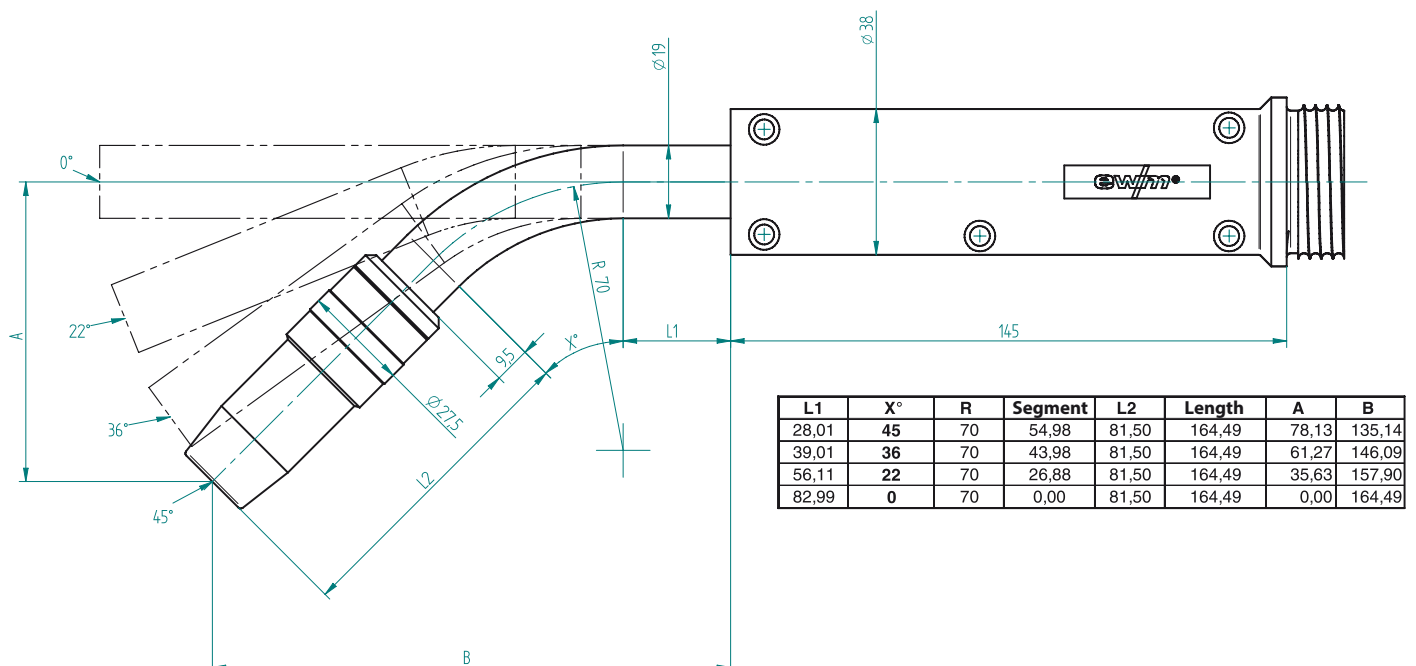
Designation	Bend angle torch neck			Item no.		
			m			
Automated MIG/ MAG welding torch, water-cooled	0 °	M9	1.5	094-500069-00015		
			3	094-500069-00000		
			4	094-500069-00004		
			5	094-500069-00005		
	22 °		1.5	094-500070-00015		
			3	094-500070-00000		
			4	094-500070-00004		
			5	094-500070-00005		
	36 °		1.5	094-500071-00015		
			3	094-500071-00000		
			4	094-500071-00004		
			5	094-500071-00005		
	45 °		1.5	094-500072-00015		
			3	094-500072-00000		
			4	094-500072-00004		
			5	094-500072-00005		

TH

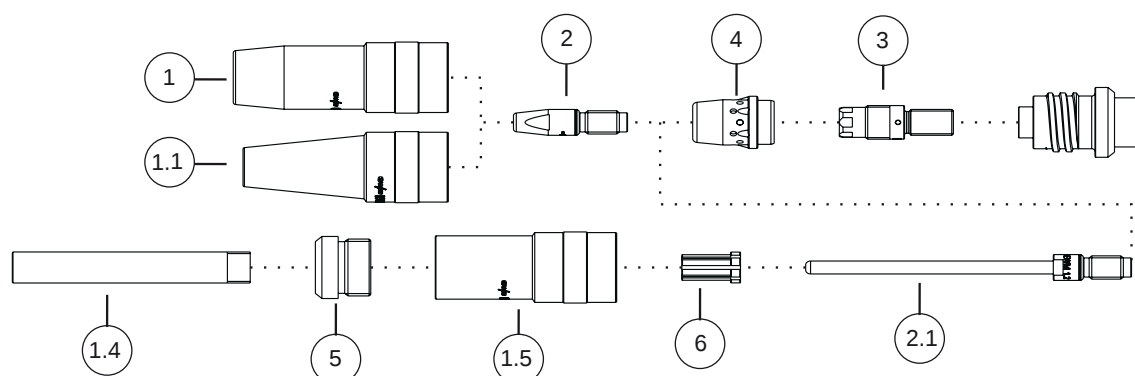


- Torch holder for AMT welding torches, including mounting components

Type	Designation	Item no.		
TH AMT	Torch holder suitable for AMT torches	092-019400-00000		



■ Consumables



► Euro torch connector ex works. Other connectors on request.

► You will find other spare parts in our spare parts catalogue.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.	
1	Gas nozzle	15	-	-	66	-	10	094-014178-00001	
1	Gas nozzle	17	-	-	66	-	10	094-014180-00001	
1	Gas nozzle	19	-	-	66	-	10	094-014182-00001	
1	Gas nozzle	15	-	-	63	-	10	094-014177-00001	
1	Gas nozzle	17	-	-	63	-	10	094-014179-00001	
1	Gas nozzle	19	-	-	63	-	10	094-014181-00001	
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	63	-	10	094-019702-00000	
1.4	Gas nozzle, narrow gap welding	-	-	-	73	-	10	094-019626-00000	
1.5	Gas nozzle body	-	-	-	-	-	10	094-019624-00000	
2	Contact tip	-	0.8	M9	35	CuCrZr	10	094-013528-00000	
2	Contact tip	-	0.9	M9	35	CuCrZr	10	094-013529-00000	
2	Contact tip	-	1	M9	35	CuCrZr	10	094-013530-00000	
2	Contact tip	-	1.2	M9	35	CuCrZr	10	094-013531-00000	
2	Contact tip	-	1.4	M9	35	CuCrZr	10	094-013532-00000	
2	Contact tip	-	1.6	M9	35	CuCrZr	10	094-013533-00000	
2	Contact tip	-	2	M9	35	CuCrZr	10	094-013534-00000	
2	Contact tip, aluminium welding	-	0.8	M9	35	E-Cu	10	094-013543-00000	
2	Contact tip, aluminium welding	-	0.9	M9	35	E-Cu	10	094-013544-00000	
2	Contact tip, aluminium welding	-	1	M9	35	E-Cu	10	094-013545-00000	
2	Contact tip, aluminium welding	-	1.2	M9	35	E-Cu	10	094-013546-00000	
2	Contact tip, aluminium welding	-	1.4	M9	35	E-Cu	10	094-013547-00000	
2	Contact tip, aluminium welding	-	1.6	M9	35	E-Cu	10	094-013548-00000	
2	Contact tip, aluminium welding	-	2	M9	35	E-Cu	10	094-013549-00000	
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	CuCrZr	10	094-021189-00000	
2.1	Contact tip, narrow gap welding	-	1	M9	100	CuCrZr	10	094-019616-00000	
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	CuCrZr	10	094-019617-00000	
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	CuCrZr	10	094-020019-00000	
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	CuCrZr	10	094-019618-00000	
3	Contact tip holder	-	-	M9	35	CuCrZr	10	094-013856-00003	
3	Contact tip holder	-	-	M9	38	CuCrZr	10	094-016425-00003	
4	Gas diffusers	20.2	-	-	25	Plastic	10	094-013111-00001	
5	Capillary tube	-	-	-	-	-	1	094-019625-00000	
6	Centring sleeve	-	-	-	-	-	10	094-019627-00000	
-	Torch key, SW5/12MM	-	-	-	-	-	1	094-016038-00001	

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Welding torches

Quality puts you in front



Safe working

The large torch triggers with optimal push point thanks to micro switches guarantee reliable switching on and off of the welding current.



Up/down function torches

During welding and welding breaks, you can adjust the welding current to your actual requirements at the push of a button: You can select a predefined program depending on the machine control variant.



Retox function torches

In addition to the up/down function, the Retox control module provides information on a three-digit LED display. You can view all changes at a glance and need not look at the welding machine: The settings and indication of programs, welding current and other welding parameters.



HFL version

All TIG welding torches of the series 150 to 450 are also available as high-flex leather design. Special hoses and cables inside the hose package enable high flexibility. The first metre from the handle is covered in very robust but soft nappa leather.



Rotary gas valve

Optimised for TIG welding with MMR welding machines of the Pico series. Optimal gas regulation with the rotary valve directly at the torch grip.



Ergonomic grip

With their ergonomic grips, all welding torches of the TIG series provide high gripping reliability and optimal feeling for best results.

Highlights



Effortless working with minimum exertion of force

- / An ergonomic grip with high gripping reliability, a short ball joint for optimal movement radii and lightweight and flexible hose packages allow effortless working without interruption.

Fast amortisation

- / The welding torches for EWM's TIG welding machines pay off quickly. Because wear is lower than average and the rare need for replacement and spare parts minimises downtimes.

Long service life

- / With EWM TIG welding torches, you can work long. The extremely good cooling makes for long service life. Minimal wear and clearly reduced downtimes and set-up times give you more time for welding.

Ease of maintenance and low storage costs

- / EWM has limited the number of equipment parts to three: the back cap, the collet or gas lens and the gas nozzle. For you, this not only means reasonable stock-keeping but also low cost.

Function torches – perfect on-site control

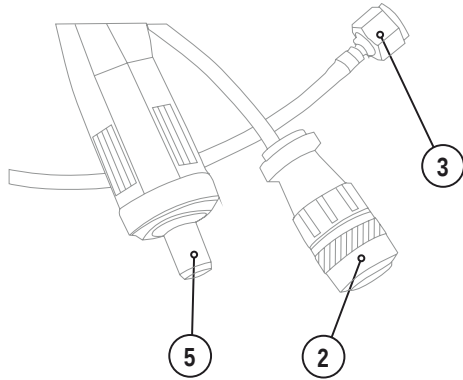
- / The functionality of our welding torches leaves nothing to be desired. You select the welding current, set JOBS (welding tasks) and have them displayed. All EWM welding torches have torch and function buttons with high-quality micro switches.



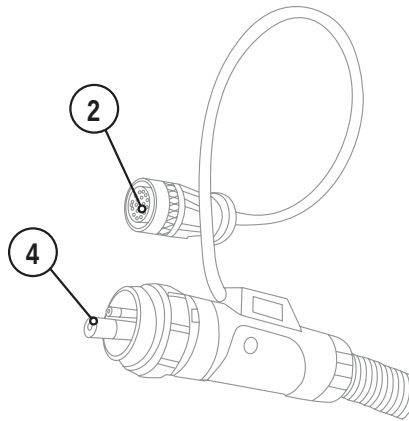


■ Connectors for gas-cooled TIG torches

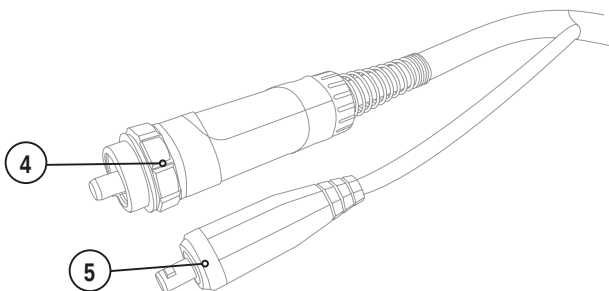
■ Decentralised torch connector



■ Euro torch connector



■ Euro torch connector - KOMBI

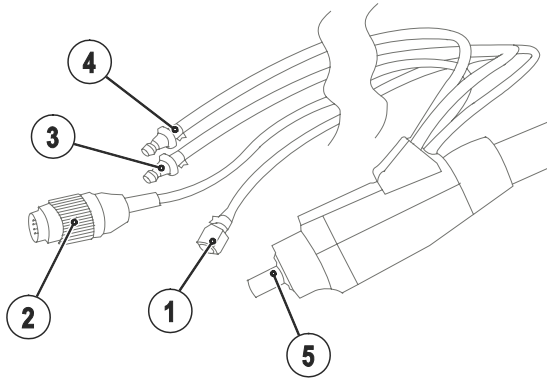


Item	Description
2	Control cable assembly
3	Shielding gas connector: G $\frac{1}{4}$ " connecting nipple
4	Euro torch connector
5	Welding current connection: decentralised connection

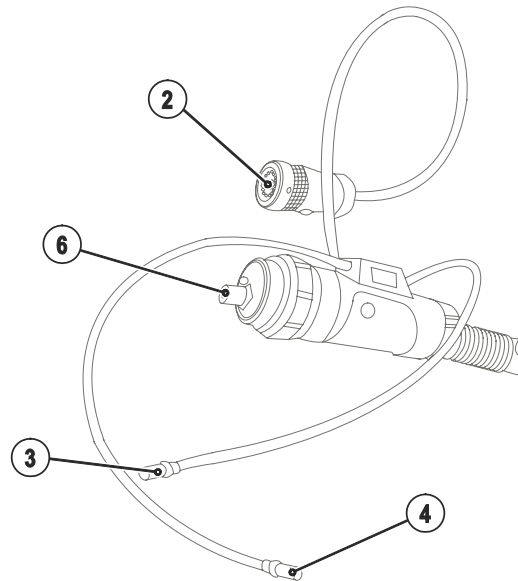


■ Connectors for water-cooled TIG torches

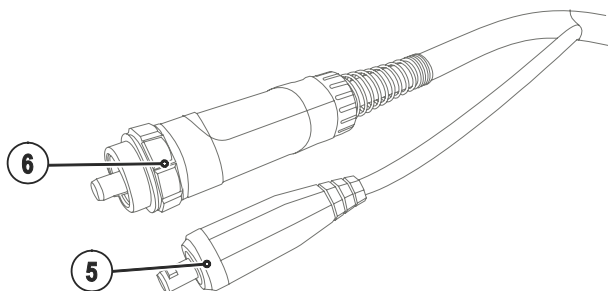
■ Decentralised torch connector



■ Euro torch connector



■ Euro torch connector - KOMBI



Item	Description
1	Shielding gas connector: 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

■ Symbols



5-pole torch connection



8-pole torch connection



12-pole torch connection



Long torch hose package

■ Abbreviations for TIG welding torches

SR	Silicone rubber, standard torch for simple welding tasks
TIG	TIG series, optimised for more stringent requirements
TIG-MT	Automated welding torch in the TIG series
G	Gas cooled
W	Water cooled
D	Decentralised torch connection
EZA	Euro torch connector
HFL	Highly flexible hose package
F	Flexible torch neck
GRV	Rotary gas valve
SC	SuperCool / high-performance torch version
HD	Heavy duty
U/D	Controls: Up/Down
Retox	Retox control
KOMBI	Welding torch with separate power connection to reverse polarity
CW	Cold wire
HW	Hot wire


Overview

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TIG-SR 17

TIG-SR 17

Equipment as supplied:

- Collet body: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Compatible with SR consumables
- Ergonomic GRIP handle for a secure grip

Duty cycle DC-	140 A / 35 %
Duty cycle AC	100 A / 35 %
Electrode Ø	0.5 mm - 2.4 mm
Gas flow	10 l/min - 20 l/min

TIG-SR 17



- Gas-cooled TIG welding torch
- Double push-button



Connection	Tuchel, 5-pole
------------	----------------

Designation		Item no.		
	m			
TIG welding torch, gas-cooled	4	394-511623-00600		
	8	394-511623-00608		

TIG-SR 17 GDV



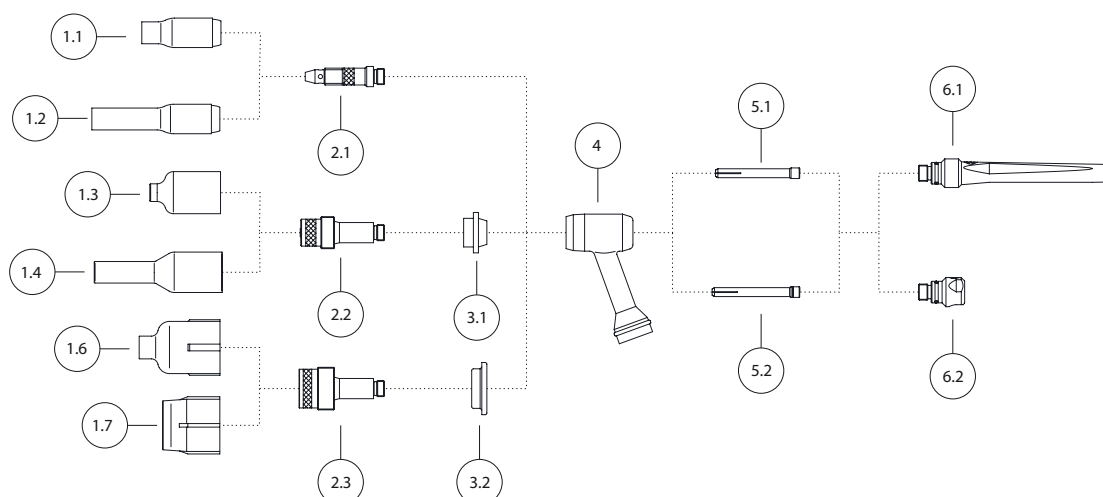
- Gas cooled TIG welding torch with rotary gas valve
- For connection to welding machines without gas valve (Pico 162)

Connection	G1/4"
------------	-------

Designation		Item no.		
	m			
TIG welding torch, rotary gas valve, gas-cooled, decentral	4	094-511623-00100		
	8	094-511623-00108		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Length	Material	PU	Item no.		
			mm	mm	mm		Pc.			
1.1	Gas nozzle	4	-	6.5	47	Ceramic	10	094-001316-00000		
1.1	Gas nozzle	5	-	8	47	Ceramic	10	094-000926-00000		
1.1	Gas nozzle	6	-	9.5	47	Ceramic	10	094-001317-00000		
1.1	Gas nozzle	7	-	11	47	Ceramic	10	094-000927-00000		
1.1	Gas nozzle	8	-	12.5	47	Ceramic	10	094-000929-00000		
1.1	Gas nozzle	10	-	16	47	Ceramic	10	094-001318-00000		
1.1	Gas nozzle	12	-	19.5	50	Ceramic	10	094-001319-00000		
1.2	Gas nozzle	5	-	8	76	Ceramic	10	094-012691-00000		
1.2	Gas nozzle	6	-	9.5	76	Ceramic	10	094-012692-00000		
1.2	Gas nozzle	7	-	11	76	Ceramic	10	094-012693-00000		
1.3	Gas nozzle for gas lens	4	-	6.5	42	Ceramic	10	094-001320-00000		
1.3	Gas nozzle for gas lens	5	-	8	42	Ceramic	10	094-001321-00000		
1.3	Gas nozzle for gas lens	6	-	9.5	42	Ceramic	10	094-001322-00000		
1.3	Gas nozzle for gas lens	7	-	11	42	Ceramic	10	094-001195-00000		
1.3	Gas nozzle for gas lens	8	-	12.5	42	Ceramic	10	094-001196-00000		
1.3	Gas nozzle for gas lens	12	-	19.5	42	Ceramic	10	094-001323-00000		
1.4	Gas nozzle for gas lens	5	-	8	76	Ceramic	10	094-011135-00000		
1.4	Gas nozzle for gas lens	6	-	9.5	76	Ceramic	10	094-011136-00000		
1.4	Gas nozzle for gas lens	7	-	11	76	Ceramic	10	094-012694-00000		
1.6	Gas nozzle for gas lens, JUMBO	6	-	9.5	48	Ceramic	10	094-011642-00000		
1.6	Gas nozzle for gas lens, JUMBO	8	-	12.5	48	Ceramic	10	094-011643-00000		
1.6	Gas nozzle for gas lens, JUMBO	10	-	16	48	Ceramic	10	094-011644-00000		
1.6	Gas nozzle for gas lens, JUMBO	12	-	19.5	48	Ceramic	10	094-003136-00000		
1.7	Gas nozzle for gas lens, JUMBO	12	-	24	34	Ceramic	10	094-012686-00000		
2.1	Collet body	-	1.6	-	-	Copper	10	094-000936-00000		
2.1	Collet body	-	2 - 2.4	-	-	Copper	10	094-000937-00000		
2.1	Collet body	-	3.2	-	-	Copper	10	094-000940-00000		
2.1	Collet body	-	4	-	-	Copper	10	094-001315-00000		
2.2	Collet body with gas lens	-	1.6	-	-	Brass	10	094-001325-00000		
2.2	Collet body with gas lens	-	2 - 2.4	-	-	Brass	10	094-001192-00000		
2.2	Collet body with gas lens	-	3.2	-	-	Brass	10	094-001193-00000		
2.2	Collet body with gas lens	-	4	-	-	Brass	10	094-001326-00000		
2.3	Collet body with gas lens, JUMBO	-	1.6	-	-	Brass	5	094-003137-00010		
2.3	Collet body with gas lens, JUMBO	-	2.4	-	-	Brass	5	094-003137-00000		
2.3	Collet body with gas lens, JUMBO	-	3.2	-	-	Brass	5	094-000000-00000		
2.3	Collet body with gas lens, JUMBO	-	4	-	-	Brass	5	094-011641-00000		
3.1	Adapters	XL	-	-	-	Teflon	10	094-001194-00000		
3.2	Adapter, JUMBO	XXL	-	-	-	Teflon	5	094-003138-00000		
4	Insulator	Standard	-	-	-	Teflon	10	094-001307-00000		
5.1	Collet	-	4	-	50	Copper	10	094-001312-00000		
5.1	Collet	-	1.6	-	50	Copper	10	094-000931-00000		
5.1	Collet	-	2.4	-	50	Copper	10	094-000932-00000		
5.1	Collet	-	3.2	-	50	Copper	10	094-000935-00000		
5.2	Collet	-	1.6	-	52	-	10	094-003402-00000		
5.2	Collet	-	2.4	-	52	-	10	094-003241-00000		
5.2	Collet	-	3.2	-	52	-	10	094-003242-00000		
5.2	Collet	-	4	-	52	-	10	094-008583-00000		
6.1	Back cap	long	-	-	-	Plastic	10	094-001114-00000		
6.2	Back cap	short	-	-	-	Plastic	10	094-001120-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG-SR 26

TIG-SR 26

Equipment as supplied:

- Collet body: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Compatible with SR consumables
- Ergonomic GRIP handle for a secure grip

Duty cycle DC-	180 A / 35 %
Duty cycle AC	130 A / 35 %
Electrode Ø	0.5 mm - 4 mm
Gas flow	10 l/min - 20 l/min

TIG-SR 26



- Gas-cooled TIG welding torch
- Double push-button



Connection	Tuchel, 5-pole
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Designation		Item no.		
	m			
TIG welding torch, gas-cooled	4	394-511621-00600		
	8	394-511621-00608		

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)

Connection	G1/4"
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Designation		Item no.		
	m			
TIG welding torch, rotary gas valve, gas-cooled, decentral	4	094-511621-00100		
	8	094-511621-00108		

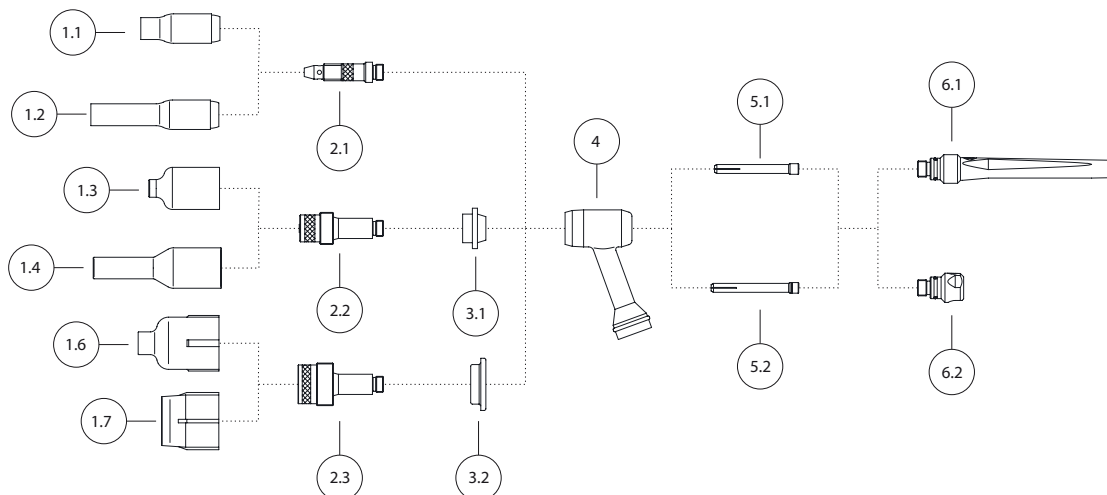
TIG-SR 26 GRIP GD KOMBI



- Gas cooled TIG combo welding torch
- Euro torch connector for connection to all EWM MIG/MAG machines with TIG function
- Includes pole reversal connector
- Single-push button

Connection	Euro torch connector
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Designation		Item no.		
	m			
TIG welding torch, gas-cooled	4	394-511621-30600		
	8	394-511621-30608		



► You will find other spare parts in our spare parts catalogue.



■ Consumables

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Length	Material	PU	Item no.		
			mm	mm	mm		Pc.			
1.1	Gas nozzle	4	-	6.5	47	Ceramic	10	094-001316-00000		
1.1	Gas nozzle	5	-	8	47	Ceramic	10	094-000926-00000		
1.1	Gas nozzle	6	-	9.5	47	Ceramic	10	094-001317-00000		
1.1	Gas nozzle	7	-	11	47	Ceramic	10	094-000927-00000		
1.1	Gas nozzle	8	-	12.5	47	Ceramic	10	094-000929-00000		
1.1	Gas nozzle	10	-	16	47	Ceramic	10	094-001318-00000		
1.1	Gas nozzle	12	-	19.5	50	Ceramic	10	094-001319-00000		
1.2	Gas nozzle	5	-	8	76	Ceramic	10	094-012691-00000		
1.2	Gas nozzle	6	-	9.5	76	Ceramic	10	094-012692-00000		
1.2	Gas nozzle	7	-	11	76	Ceramic	10	094-012693-00000		
1.3	Gas nozzle for gas lens	4	-	6.5	42	Ceramic	10	094-001320-00000		
1.3	Gas nozzle for gas lens	5	-	8	42	Ceramic	10	094-001321-00000		
1.3	Gas nozzle for gas lens	6	-	9.5	42	Ceramic	10	094-001322-00000		
1.3	Gas nozzle for gas lens	7	-	11	42	Ceramic	10	094-001195-00000		
1.3	Gas nozzle for gas lens	8	-	12.5	42	Ceramic	10	094-001196-00000		
1.3	Gas nozzle for gas lens	12	-	19.5	42	Ceramic	10	094-001323-00000		
1.4	Gas nozzle for gas lens	5	-	8	76	Ceramic	10	094-011135-00000		
1.4	Gas nozzle for gas lens	6	-	9.5	76	Ceramic	10	094-011136-00000		
1.4	Gas nozzle for gas lens	7	-	11	76	Ceramic	10	094-012694-00000		
1.6	Gas nozzle for gas lens, JUMBO	6	-	9.5	48	Ceramic	10	094-011642-00000		
1.6	Gas nozzle for gas lens, JUMBO	8	-	12.5	48	Ceramic	10	094-011643-00000		
1.6	Gas nozzle for gas lens, JUMBO	10	-	16	48	Ceramic	10	094-011644-00000		
1.6	Gas nozzle for gas lens, JUMBO	12	-	19.5	48	Ceramic	10	094-003136-00000		
1.7	Gas nozzle for gas lens, JUMBO	12	-	24	34	Ceramic	10	094-012686-00000		
2.1	Collet body	-	0.5 - 1.2	-	-	Copper	10	094-001314-00000		
2.1	Collet body	-	1.6	-	-	Copper	10	094-000936-00000		
2.1	Collet body	-	2 - 2.4	-	-	Copper	10	094-000937-00000		
2.1	Collet body	-	3.2	-	-	Copper	10	094-000940-00000		
2.1	Collet body	-	4	-	-	Copper	10	094-001315-00000		
2.2	Collet body with gas lens	-	0.5 - 1.2	-	-	Brass	10	094-001324-00000		
2.2	Collet body with gas lens	-	1.6	-	-	Brass	10	094-001325-00000		
2.2	Collet body with gas lens	-	2 - 2.4	-	-	Brass	10	094-001192-00000		
2.2	Collet body with gas lens	-	3.2	-	-	Brass	10	094-001193-00000		
2.2	Collet body with gas lens	-	4	-	-	Brass	10	094-001326-00000		
2.3	Collet body with gas lens, JUMBO	-	1.6	-	-	Brass	5	094-003137-00010		
2.3	Collet body with gas lens, JUMBO	-	2.4	-	-	Brass	5	094-003137-00000		
2.3	Collet body with gas lens, JUMBO	-	3.2	-	-	Brass	5	094-000000-00000		
2.3	Collet body with gas lens, JUMBO	-	4	-	-	Brass	5	094-011641-00000		
3.1	Adapters	XL	-	-	-	Teflon	10	094-001194-00000		
3.2	Adapter, JUMBO	XXL	-	-	-	Teflon	5	094-003138-00000		
4	Insulator	Standard	-	-	-	Teflon	10	094-001307-00000		
5.1	Collet	-	1.2	-	50	Copper	10	094-001310-00000		
5.1	Collet	-	2	-	50	Copper	10	094-001311-00000		
5.1	Collet	-	4	-	50	Copper	10	094-001312-00000		
5.1	Collet	-	0.5	-	50	Copper	10	094-001308-00000		
5.1	Collet	-	1	-	50	Copper	10	094-001309-00000		
5.1	Collet	-	1.6	-	50	Copper	10	094-000931-00000		
5.1	Collet	-	2.4	-	50	Copper	10	094-000932-00000		
5.1	Collet	-	3.2	-	50	Copper	10	094-000935-00000		
5.2	Collet	-	1.6	-	52	-	10	094-003402-00000		
5.2	Collet	-	2.4	-	52	-	10	094-003241-00000		
5.2	Collet	-	3.2	-	52	-	10	094-003242-00000		
5.2	Collet	-	4	-	52	-	10	094-008583-00000		
6.1	Back cap	long	-	-	-	Plastic	10	094-001114-00000		
6.2	Back cap	short	-	-	-	Plastic	10	094-001120-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG 150

TIG 150

Equipment as supplied:

- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Gas-cooled TIG welding torch
- Ergonomic GRIP handle for a secure grip

Duty cycle DC-	150 A / 35 %
Duty cycle AC	105 A / 35 %
Electrode Ø	1 mm - 2.4 mm
Gas flow	4 l/min - 12 l/min

TIG 150 GRIP GD



- Double push-button



Connection	Tuchel, 5-pole
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Designation		Item no.		
	m			
TIG welding torch, gas-cooled	4	394-512291-00600		
	8	394-512291-00608		

TIG 150 GRIP GD U/D



- Setting of welding current and programs
- For Picotig AC/DC, Tetrix DC and AC/DC
- An 8-pole connection socket is required for portable machines up to 270 A



Connection	Burndy, 8-pole
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Designation		Item no.		
	m			
TIG welding torch, up/down, gas-cooled	4	394-512291-00200		
	8	394-512291-00208		

TIG 150 GRIP GD EZA



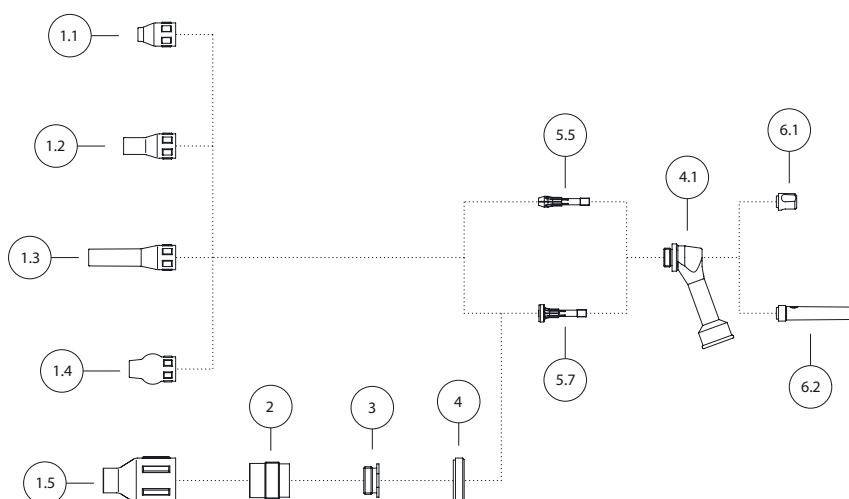
- Euro torch connector for operation on Picomig, Taurus, Phoenix and alpha Q (except alpha Q 330)
- Single-push button

Connection	Euro torch connector
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Designation		Item no.		
	m			
TIG welding torch, Euro torch connector	4	394-512291-04000		
	8	394-512291-04008		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Pc.	Item no.		
1.1	Gas nozzle	4	-	6.5	26	Ceramic	10	094-012672-00000		
1.1	Gas nozzle	6	-	8	26	Ceramic	10	094-012405-00000		
1.1	Gas nozzle	8	-	10	26	Ceramic	10	094-011756-00000		
1.1	Gas nozzle	10	-	11.5	26	Ceramic	10	094-011980-00000		
1.2	Gas nozzle	6	-	6.5	36	Ceramic	10	094-012673-00000		
1.2	Gas nozzle	7	-	8	36	Ceramic	10	094-012674-00000		
1.2	Gas nozzle	8	-	10	36	Ceramic	10	094-011982-00000		
1.2	Gas nozzle	10	-	11.5	36	Ceramic	10	094-011757-00000		
1.3	Gas nozzle	-	-	6.5	60	Ceramic	10	094-015451-00000		
1.3	Gas nozzle	-	-	8	60	Ceramic	10	398-000191-00000		
1.4	Gas nozzle, ball-shape design	-	-	6.5	32	Ceramic	10	094-019610-00000		
1.4	Gas nozzle, ball-shape design	-	-	8	32	Ceramic	10	394-000156-00000		
1.4	Gas nozzle, ball-shape design	-	-	9.5	32	Ceramic	10	394-000155-00000		
1.4	Gas nozzle, ball-shape design	-	-	11	32	Ceramic	10	094-019609-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000		
2	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000		
2	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000		
2	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000		
3	Adapter ring, JUMBO	XL	-	-	-	Brass	10	094-011758-00000		
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-011760-00000		
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011979-00000		
5.5	Electrode holders	-	1.6	-	35	Brass	5	094-012406-00000		
5.5	Electrode holders	-	2.4	-	35	Brass	5	094-011755-00000		
5.5	Electrode holders	-	3.2	-	35	Brass	5	094-012667-00000		
5.7	Gas diffuser	-	1.6	-	33	Brass	5	094-012669-00000		
5.7	Gas diffuser	-	2.4	-	33	Brass	5	094-011984-00000		
5.7	Gas diffuser	-	3.2	-	33	Brass	5	094-012671-00000		
6.1	Back cap	short	-	-	-	Plastic	5	094-011752-00000		
6.2	Back cap	medium	-	-	-	Plastic	5	094-011753-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG 150 HFL

TIG 150

Equipment as supplied:

- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Gas cooled TIG welding torch with a highly flexible hose package
- Ergonomic GRIP handle for a secure grip
- Highly flexible hose package with 1 m leather protector

Duty cycle DC-	150 A / 35 %
Duty cycle AC	105 A / 35 %
Electrode Ø	1 mm - 2.4 mm
Gas flow	4 l/min - 12 l/min

TIG 150 GRIP GD HFL



- Double push-button



Connection	Tuchel, 5-pole
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Designation		Item no.		
	m			
TIG welding torch, gas-cooled	4	394-512291-10600		
	8	394-512291-10608		

TIG 150 GRIP GD U/D HFL



- Setting of welding current and programs
- For Picotig AC/DC, Tetrax DC and AC/DC
- An 8-pole connection socket is required for portable machines up to 270 A



Connection	Burndy, 8-pole
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Designation		Item no.		
	m			
TIG welding torch, up/down, gas-cooled	4	394-512291-10200		
	8	394-512291-10208		

TIG 150 GRIP GD RETOX HFL



- Setting and display of welding current and programs
- For Tetrax DC, AC/DC Comfort and Synergic
- „ON 12-pole connection socket“ option required

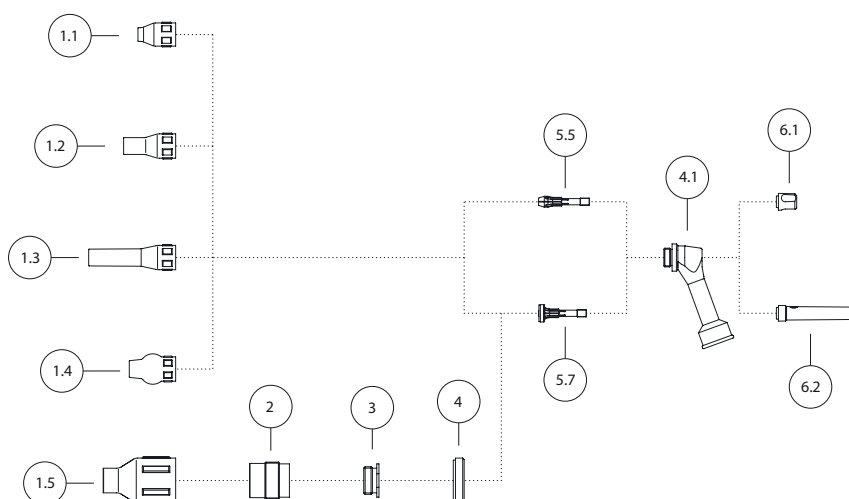


Connection	Burndy, 12-pole
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Designation		Item no.		
	m			
TIG function torch, Retox, gas-cooled	4	394-512291-10700		
	8	394-512291-10708		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Pc.	Item no.		
1.1	Gas nozzle	4	-	6.5	26	Ceramic	10	094-012672-00000		
1.1	Gas nozzle	6	-	8	26	Ceramic	10	094-012405-00000		
1.1	Gas nozzle	8	-	10	26	Ceramic	10	094-011756-00000		
1.1	Gas nozzle	10	-	11.5	26	Ceramic	10	094-011980-00000		
1.2	Gas nozzle	6	-	6.5	36	Ceramic	10	094-012673-00000		
1.2	Gas nozzle	7	-	8	36	Ceramic	10	094-012674-00000		
1.2	Gas nozzle	8	-	10	36	Ceramic	10	094-011982-00000		
1.2	Gas nozzle	10	-	11.5	36	Ceramic	10	094-011757-00000		
1.3	Gas nozzle	-	-	6.5	60	Ceramic	10	094-015451-00000		
1.3	Gas nozzle	-	-	8	60	Ceramic	10	398-000191-00000		
1.4	Gas nozzle, ball-shape design	-	-	6.5	32	Ceramic	10	094-019610-00000		
1.4	Gas nozzle, ball-shape design	-	-	8	32	Ceramic	10	394-000156-00000		
1.4	Gas nozzle, ball-shape design	-	-	9.5	32	Ceramic	10	394-000155-00000		
1.4	Gas nozzle, ball-shape design	-	-	11	32	Ceramic	10	094-019609-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000		
2	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000		
2	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000		
2	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000		
3	Adapter ring, JUMBO	XL	-	-	-	Brass	10	094-011758-00000		
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-011760-00000		
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011979-00000		
5.5	Electrode holders	-	1.6	-	35	Brass	5	094-012406-00000		
5.5	Electrode holders	-	2.4	-	35	Brass	5	094-011755-00000		
5.5	Electrode holders	-	3.2	-	35	Brass	5	094-012667-00000		
5.7	Gas diffuser	-	1.6	-	33	Brass	5	094-012669-00000		
5.7	Gas diffuser	-	2.4	-	33	Brass	5	094-011984-00000		
5.7	Gas diffuser	-	3.2	-	33	Brass	5	094-012671-00000		
6.1	Back cap	short	-	-	-	Plastic	5	094-011752-00000		
6.2	Back cap	medium	-	-	-	Plastic	5	094-011753-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG 200

TIG 200

Equipment as supplied:

- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Gas-cooled TIG welding torch
- Ergonomic GRIP handle for a secure grip

Duty cycle DC-	200 A / 35 %
Duty cycle AC	140 A / 35 %
Electrode Ø	1.6 mm - 3.2 mm
Gas flow	10 l/min - 20 l/min

TIG 200 GRIP GD



- Double push-button



Connection	Tuchel, 5-pole
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Designation		Item no.		
	m			
TIG welding torch, gas-cooled	4	394-510981-00600		
	8	394-510981-00608		

TIG 200 GRIP GD EZA



- Euro torch connector for operation on Picomig, Taurus, Phoenix and alpha Q (except alpha Q 330)
- Single-push button

Connection	Euro torch connector
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Designation		Item no.		
	m			
TIG welding torch, Euro torch connector	4	394-510981-04000		
	8	394-510981-04008		

TIG 200 GRIP GD U/D



- Setting of welding current and programs
- For Picotig AC/DC, Tetrix DC and AC/DC
- An 8-pole connection socket is required for portable machines up to 270 A

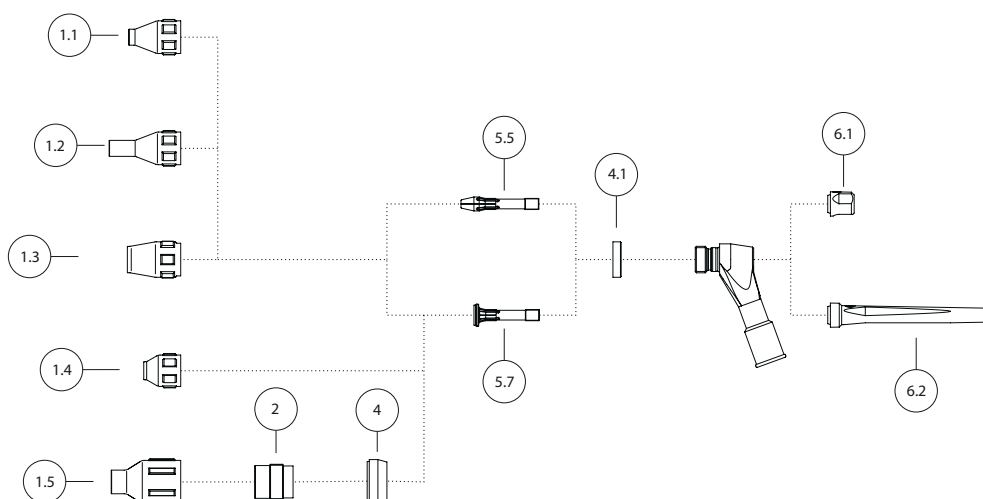


Connection	Burndy, 8-pole
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Designation		Item no.		
	m			
TIG welding torch, up/down, gas-cooled	4	394-510981-00200		
	8	394-510981-00208		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Pc.	Item no.		
1.1	Gas nozzle	5	-	7.5	37	Ceramic	10	094-009646-00000		
1.1	Gas nozzle	6	-	10	37	Ceramic	10	094-009647-00000		
1.1	Gas nozzle	8	-	13	37	Ceramic	10	094-009648-00000		
1.1	Gas nozzle	10	-	15	37	Ceramic	10	094-009649-00000		
1.2	Gas nozzle	5	-	7.5	52	Ceramic	10	094-009650-00000		
1.2	Gas nozzle	6	-	10	52	Ceramic	10	094-009651-00000		
1.2	Gas nozzle	8	-	13	52	Ceramic	10	094-009653-00000		
1.2	Gas nozzle	10	-	15	52	Ceramic	10	094-009654-00000		
1.3	Gas nozzle, reinforced	8	-	13	38.4	Ceramic	10	094-011997-00000		
1.3	Gas nozzle, reinforced	12	-	15	38.4	Ceramic	10	094-011998-00000		
1.4	Gas nozzle for gas diffuser	4	-	10	26	Ceramic	10	094-009655-00000		
1.4	Gas nozzle for gas diffuser	6	-	13	26	Ceramic	10	094-009656-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000		
2	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000		
2	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000		
2	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000		
2	Gas diffuser, JUMBO	-	4	-	-	Brass	1	094-009661-00000		
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-009657-00000		
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011759-00000		
5.5	Electrode holders	-	1.6	-	56	Brass	5	094-009634-00000		
5.5	Electrode holders	-	2.4	-	56	Brass	5	094-009636-00000		
5.5	Electrode holders	-	3.2	-	56	Brass	5	094-009637-00000		
5.5	Electrode holders	-	4	-	56	Brass	5	094-009638-00000		
5.7	Gas diffuser	-	1.6	-	47	Brass	2	094-009640-00000		
5.7	Gas diffuser	-	2.4	-	47	Brass	2	094-009642-00000		
5.7	Gas diffuser	-	3.2	-	47	Brass	2	094-009643-00000		
5.7	Gas diffuser	-	4	-	47	Brass	2	094-009644-00000		
6.1	Back cap	short	-	-	-	Plastic	5	094-010723-00000		
6.2	Back cap	long	-	-	-	Plastic	5	094-010601-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG 200 HFL

TIG 200

Equipment as supplied:

- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Gas cooled TIG welding torch with a highly flexible hose package
- Ergonomic GRIP handle for a secure grip
- Highly flexible hose package with 1 m leather protector

Duty cycle DC-	200 A / 35 %
Duty cycle AC	140 A / 35 %
Electrode Ø	1.6 mm - 3.2 mm
Gas flow	10 l/min - 20 l/min

TIG 200 GRIP GD HFL



- Double push-button



Connection	Tuchel, 5-pole
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Designation		Item no.		
	m			
TIG welding torch, gas-cooled	4	394-510981-10600		
	8	394-510981-10608		

TIG 200 GRIP GD U/D HFL



- Setting of welding current and programs
- For Picotig AC/DC, Tetrax DC and AC/DC
- An 8-pole connection socket is required for portable machines up to 270 A



Connection	Burndy, 8-pole
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Designation		Item no.		
	m			
TIG welding torch, up/down, gas-cooled	4	394-510981-10200		
	8	394-510981-10208		

TIG 200 GRIP GD RETOX HFL



- Setting and display of welding current and programs
- For Tetrax DC, AC/DC Comfort and Synergic
- „ON 12-pole connection socket“ option required

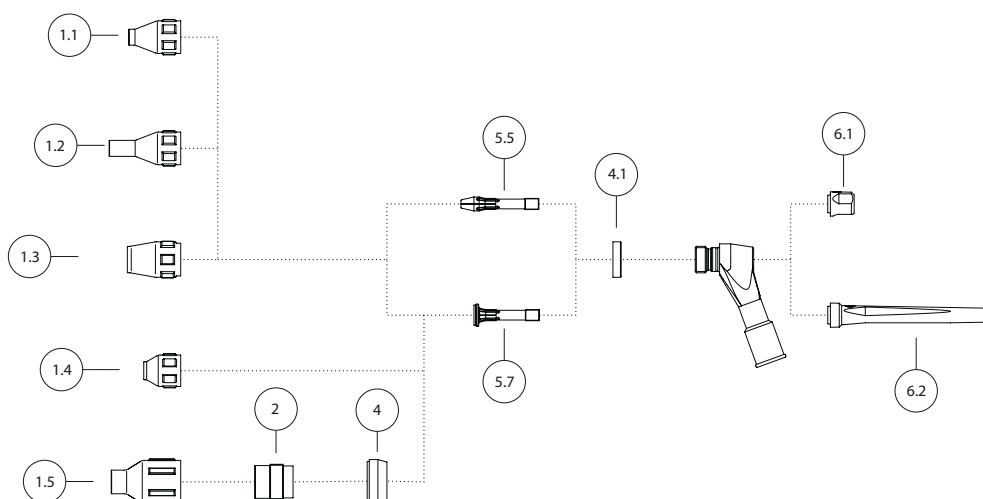


Connection	Burndy, 12-pole
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Designation		Item no.		
	m			
TIG function torch, Retox, gas-cooled	4	394-510981-10700		
	8	394-510981-10708		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Pc.	Item no.		
1.1	Gas nozzle	5	-	7.5	37	Ceramic	10	094-009646-00000		
1.1	Gas nozzle	6	-	10	37	Ceramic	10	094-009647-00000		
1.1	Gas nozzle	8	-	13	37	Ceramic	10	094-009648-00000		
1.1	Gas nozzle	10	-	15	37	Ceramic	10	094-009649-00000		
1.2	Gas nozzle	5	-	7.5	52	Ceramic	10	094-009650-00000		
1.2	Gas nozzle	6	-	10	52	Ceramic	10	094-009651-00000		
1.2	Gas nozzle	8	-	13	52	Ceramic	10	094-009653-00000		
1.2	Gas nozzle	10	-	15	52	Ceramic	10	094-009654-00000		
1.3	Gas nozzle, reinforced	8	-	13	38.4	Ceramic	10	094-011997-00000		
1.3	Gas nozzle, reinforced	12	-	15	38.4	Ceramic	10	094-011998-00000		
1.4	Gas nozzle for gas diffuser	4	-	10	26	Ceramic	10	094-009655-00000		
1.4	Gas nozzle for gas diffuser	6	-	13	26	Ceramic	10	094-009656-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000		
2	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000		
2	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000		
2	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000		
2	Gas diffuser, JUMBO	-	4	-	-	Brass	1	094-009661-00000		
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-009657-00000		
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011759-00000		
5.5	Electrode holders	-	1.6	-	56	Brass	5	094-009634-00000		
5.5	Electrode holders	-	2.4	-	56	Brass	5	094-009636-00000		
5.5	Electrode holders	-	3.2	-	56	Brass	5	094-009637-00000		
5.5	Electrode holders	-	4	-	56	Brass	5	094-009638-00000		
5.7	Gas diffuser	-	1.6	-	47	Brass	2	094-009640-00000		
5.7	Gas diffuser	-	2.4	-	47	Brass	2	094-009642-00000		
5.7	Gas diffuser	-	3.2	-	47	Brass	2	094-009643-00000		
5.7	Gas diffuser	-	4	-	47	Brass	2	094-009644-00000		
6.1	Back cap	short	-	-	-	Plastic	5	094-010723-00000		
6.2	Back cap	long	-	-	-	Plastic	5	094-010601-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG 200F

TIG 200F

Equipment as supplied:

- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Ergonomic GRIP handle for a secure grip
- Gas cooled TIG welding torch with a flexible torch neck

Duty cycle DC-	200 A / 35 %
Duty cycle AC	140 A / 35 %
Electrode Ø	1.6 mm - 3.2 mm
Gas flow	10 l/min - 20 l/min

TIG 200F GRIP GD



- Double push-button



Connection	Tuchel, 5-pole
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Designation		Item no.		
	m			
TIG welding torch, gas-cooled	4	394-512527-00600		
	8	394-512527-00608		

TIG 200F GRIP GD U/D



- Setting of welding current and programs
- For Picotig AC/DC, Tetrix DC and AC/DC
- An 8-pole connection socket is required for portable machines up to 270 A

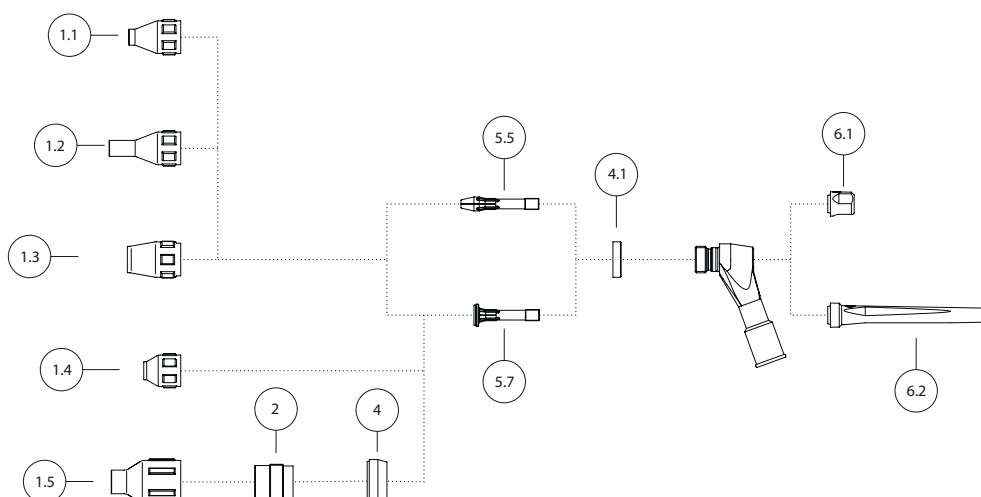


Connection	Burndy, 8-pole
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Designation		Item no.		
	m			
TIG welding torch, up/down, gas-cooled	4	394-512527-00200		
	8	394-512527-00208		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Pc.	Item no.		
1.1	Gas nozzle	5	-	7.5	37	Ceramic	10	094-009646-00000		
1.1	Gas nozzle	6	-	10	37	Ceramic	10	094-009647-00000		
1.1	Gas nozzle	8	-	13	37	Ceramic	10	094-009648-00000		
1.1	Gas nozzle	10	-	15	37	Ceramic	10	094-009649-00000		
1.2	Gas nozzle	5	-	7.5	52	Ceramic	10	094-009650-00000		
1.2	Gas nozzle	6	-	10	52	Ceramic	10	094-009651-00000		
1.2	Gas nozzle	8	-	13	52	Ceramic	10	094-009653-00000		
1.2	Gas nozzle	10	-	15	52	Ceramic	10	094-009654-00000		
1.3	Gas nozzle, reinforced	8	-	13	38.4	Ceramic	10	094-011997-00000		
1.3	Gas nozzle, reinforced	12	-	15	38.4	Ceramic	10	094-011998-00000		
1.4	Gas nozzle for gas diffuser	4	-	10	26	Ceramic	10	094-009655-00000		
1.4	Gas nozzle for gas diffuser	6	-	13	26	Ceramic	10	094-009656-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000		
2	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000		
2	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000		
2	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000		
2	Gas diffuser, JUMBO	-	4	-	-	Brass	1	094-009661-00000		
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-009657-00000		
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011759-00000		
5.5	Electrode holders	-	1.6	-	56	Brass	5	094-009634-00000		
5.5	Electrode holders	-	2.4	-	56	Brass	5	094-009636-00000		
5.5	Electrode holders	-	3.2	-	56	Brass	5	094-009637-00000		
5.5	Electrode holders	-	4	-	56	Brass	5	094-009638-00000		
5.7	Gas diffuser	-	1.6	-	47	Brass	2	094-009640-00000		
5.7	Gas diffuser	-	2.4	-	47	Brass	2	094-009642-00000		
5.7	Gas diffuser	-	3.2	-	47	Brass	2	094-009643-00000		
5.7	Gas diffuser	-	4	-	47	Brass	2	094-009644-00000		
6.1	Back cap	short	-	-	-	Plastic	5	094-010723-00000		
6.2	Back cap	long	-	-	-	Plastic	5	094-010601-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG 200F HFL

TIG 200F

Equipment as supplied:

- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Gas cooled TIG welding torch with a flexible torch neck and a highly flexible hose package
- Ergonomic GRIP handle for a secure grip
- Highly flexible hose package with 1 m leather protector

Duty cycle DC-	200 A / 35 %
Duty cycle AC	140 A / 35 %
Electrode Ø	1.6 mm - 3.2 mm
Gas flow	10 l/min - 20 l/min

TIG 200F GRIP GD HFL



- Double push-button



Connection	Tuchel, 5-pole
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Designation		Item no.		
	m			
TIG welding torch, gas-cooled	4	394-512527-10600		
	8	394-512527-10608		

TIG 200F GRIP GD U/D HFL



- Setting of welding current and programs
- For Picotig AC/DC, Tetrax DC and AC/DC
- An 8-pole connection socket is required for portable machines up to 270 A

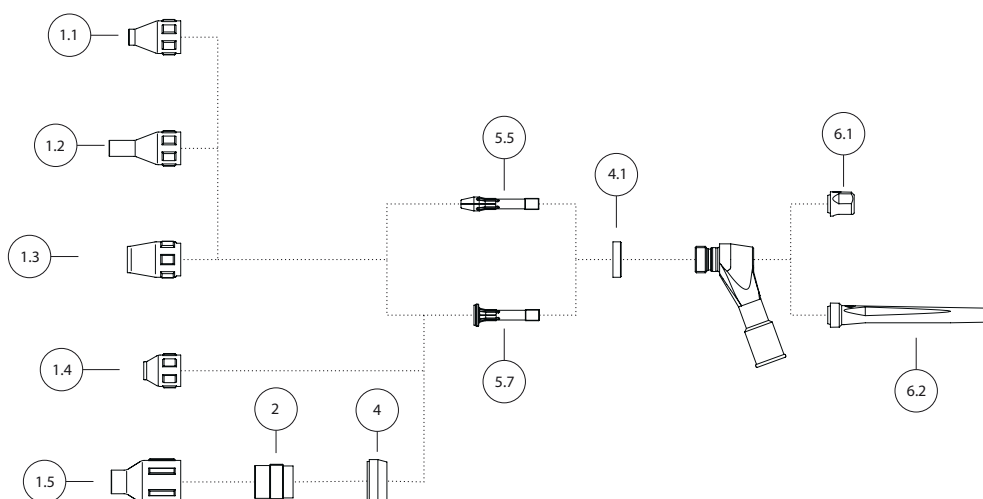


Connection	Burndy, 8-pole
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Designation		Item no.		
	m			
TIG welding torch, up/down, gas-cooled	4	394-512527-10200		
	8	394-512527-10208		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Pc.	Item no.		
1.1	Gas nozzle	5	-	7.5	37	Ceramic	10	094-009646-00000		
1.1	Gas nozzle	6	-	10	37	Ceramic	10	094-009647-00000		
1.1	Gas nozzle	8	-	13	37	Ceramic	10	094-009648-00000		
1.1	Gas nozzle	10	-	15	37	Ceramic	10	094-009649-00000		
1.2	Gas nozzle	5	-	7.5	52	Ceramic	10	094-009650-00000		
1.2	Gas nozzle	6	-	10	52	Ceramic	10	094-009651-00000		
1.2	Gas nozzle	8	-	13	52	Ceramic	10	094-009653-00000		
1.2	Gas nozzle	10	-	15	52	Ceramic	10	094-009654-00000		
1.3	Gas nozzle, reinforced	8	-	13	38.4	Ceramic	10	094-011997-00000		
1.3	Gas nozzle, reinforced	12	-	15	38.4	Ceramic	10	094-011998-00000		
1.4	Gas nozzle for gas diffuser	4	-	10	26	Ceramic	10	094-009655-00000		
1.4	Gas nozzle for gas diffuser	6	-	13	26	Ceramic	10	094-009656-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000		
2	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000		
2	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000		
2	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000		
2	Gas diffuser, JUMBO	-	4	-	-	Brass	1	094-009661-00000		
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-009657-00000		
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011759-00000		
5.5	Electrode holders	-	1.6	-	56	Brass	5	094-009634-00000		
5.5	Electrode holders	-	2.4	-	56	Brass	5	094-009636-00000		
5.5	Electrode holders	-	3.2	-	56	Brass	5	094-009637-00000		
5.5	Electrode holders	-	4	-	56	Brass	5	094-009638-00000		
5.7	Gas diffuser	-	1.6	-	47	Brass	2	094-009640-00000		
5.7	Gas diffuser	-	2.4	-	47	Brass	2	094-009642-00000		
5.7	Gas diffuser	-	3.2	-	47	Brass	2	094-009643-00000		
5.7	Gas diffuser	-	4	-	47	Brass	2	094-009644-00000		
6.1	Back cap	short	-	-	-	Plastic	5	094-010723-00000		
6.2	Back cap	long	-	-	-	Plastic	5	094-010601-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG-SR 300 HD

■ TIG-SR 300

■ TIG-SR 300F

Equipment as supplied:

- Collet body: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode WCe 20 (grey): Ø 2.4 mm

- Very high duty cycle
- Compatible with SR consumables
- Double push-button

Duty cycle DC-	300 A / 35 %
Duty cycle AC	250 A / 35 %
Gas flow	10 l/min - 20 l/min
Connection	Tuchel, 5-pole

TIG-SR 300 GD HD



- Gas-cooled TIG welding torch



Designation		Item no.		
	m			
TIG welding torch, gas-cooled	4	094-020967-10600		
	8	094-020967-10608		

TIG-SR 300F GD HD



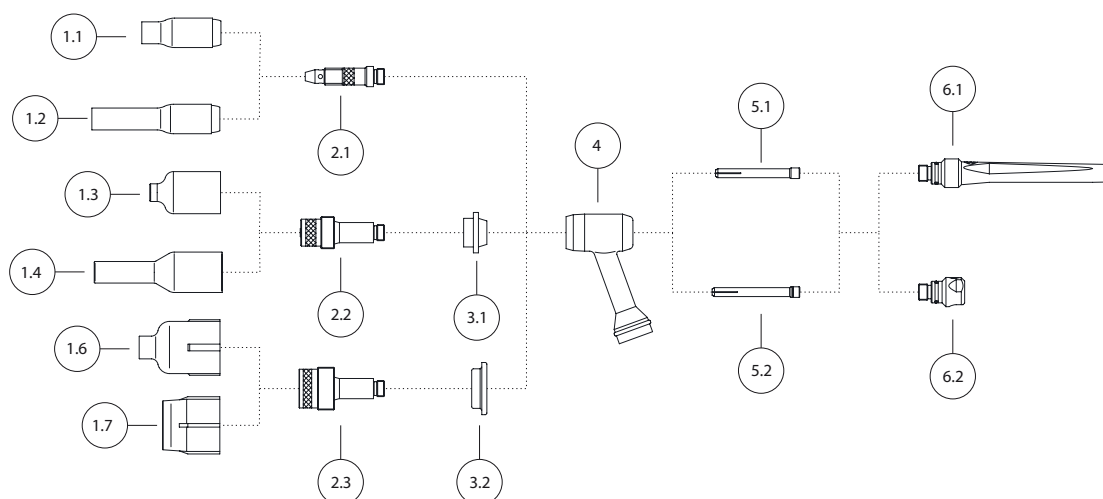
- Gas cooled TIG welding torch with a flexible torch neck



Designation		Item no.		
	m			
TIG welding torch, gas cooled	4	094-020968-10600		
	8	094-020968-10608		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Length	Material	PU	Item no.		
			mm	mm	mm		Pc.			
1.1	Gas nozzle	4	-	6.5	47	Ceramic	10	094-001316-00000		
1.1	Gas nozzle	5	-	8	47	Ceramic	10	094-000926-00000		
1.1	Gas nozzle	6	-	9.5	47	Ceramic	10	094-001317-00000		
1.1	Gas nozzle	7	-	11	47	Ceramic	10	094-000927-00000		
1.1	Gas nozzle	8	-	12.5	47	Ceramic	10	094-000929-00000		
1.1	Gas nozzle	10	-	16	47	Ceramic	10	094-001318-00000		
1.1	Gas nozzle	12	-	19.5	50	Ceramic	10	094-001319-00000		
1.2	Gas nozzle	5	-	8	76	Ceramic	10	094-012691-00000		
1.2	Gas nozzle	6	-	9.5	76	Ceramic	10	094-012692-00000		
1.2	Gas nozzle	7	-	11	76	Ceramic	10	094-012693-00000		
1.3	Gas nozzle for gas lens	4	-	6.5	42	Ceramic	10	094-001320-00000		
1.3	Gas nozzle for gas lens	5	-	8	42	Ceramic	10	094-001321-00000		
1.3	Gas nozzle for gas lens	6	-	9.5	42	Ceramic	10	094-001322-00000		
1.3	Gas nozzle for gas lens	7	-	11	42	Ceramic	10	094-001195-00000		
1.3	Gas nozzle for gas lens	8	-	12.5	42	Ceramic	10	094-001196-00000		
1.3	Gas nozzle for gas lens	12	-	19.5	42	Ceramic	10	094-001323-00000		
1.4	Gas nozzle for gas lens	5	-	8	76	Ceramic	10	094-011135-00000		
1.4	Gas nozzle for gas lens	6	-	9.5	76	Ceramic	10	094-011136-00000		
1.4	Gas nozzle for gas lens	7	-	11	76	Ceramic	10	094-012694-00000		
1.6	Gas nozzle for gas lens, JUMBO	6	-	9.5	48	Ceramic	10	094-011642-00000		
1.6	Gas nozzle for gas lens, JUMBO	8	-	12.5	48	Ceramic	10	094-011643-00000		
1.6	Gas nozzle for gas lens, JUMBO	10	-	16	48	Ceramic	10	094-011644-00000		
1.6	Gas nozzle for gas lens, JUMBO	12	-	19.5	48	Ceramic	10	094-003136-00000		
1.7	Gas nozzle for gas lens, JUMBO	12	-	24	34	Ceramic	10	094-012686-00000		
2.1	Collet body	-	1.6	-	-	Copper	10	094-000936-00000		
2.1	Collet body	-	2 - 2.4	-	-	Copper	10	094-000937-00000		
2.1	Collet body	-	3.2	-	-	Copper	10	094-000940-00000		
2.1	Collet body	-	4	-	-	Copper	10	094-001315-00000		
2.2	Collet body with gas lens	-	1.6	-	-	Brass	10	094-001325-00000		
2.2	Collet body with gas lens	-	2 - 2.4	-	-	Brass	10	094-001192-00000		
2.2	Collet body with gas lens	-	3.2	-	-	Brass	10	094-001193-00000		
2.2	Collet body with gas lens	-	4	-	-	Brass	10	094-001326-00000		
2.3	Collet body with gas lens, JUMBO	-	1.6	-	-	Brass	5	094-003137-00010		
2.3	Collet body with gas lens, JUMBO	-	2.4	-	-	Brass	5	094-003137-00000		
2.3	Collet body with gas lens, JUMBO	-	3.2	-	-	Brass	5	094-000000-00000		
2.3	Collet body with gas lens, JUMBO	-	4	-	-	Brass	5	094-011641-00000		
3.1	Adapters	XL	-	-	-	Teflon	10	094-001194-00000		
3.2	Adapter, JUMBO	XXL	-	-	-	Teflon	5	094-003138-00000		
4	Insulator	Standard	-	-	-	Teflon	10	094-001307-00000		
5.1	Collet	-	4	-	50	Copper	10	094-001312-00000		
5.1	Collet	-	1.6	-	50	Copper	10	094-000931-00000		
5.1	Collet	-	2.4	-	50	Copper	10	094-000932-00000		
5.1	Collet	-	3.2	-	50	Copper	10	094-000935-00000		
5.2	Collet	-	1.6	-	52	-	10	094-003402-00000		
5.2	Collet	-	2.4	-	52	-	10	094-003241-00000		
5.2	Collet	-	3.2	-	52	-	10	094-003242-00000		
5.2	Collet	-	4	-	52	-	10	094-008583-00000		
6.1	Back cap	long	-	-	-	Plastic	10	094-001114-00000		
6.2	Back cap	short	-	-	-	Plastic	10	094-001120-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG-SR 20

TIG-SR 20

Equipment as supplied:

- Collet body: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Water-cooled TIG welding torch
- Double push-button
- Compatible with SR consumables
- Ergonomic GRIP handle for a secure grip

Duty cycle DC-	240 A / 100 %
Duty cycle AC	170 A / 100 %
Electrode Ø	0.5 mm - 3.2 mm
Gas flow	10 l/min - 20 l/min
Connection	Tuchel, 5-pole

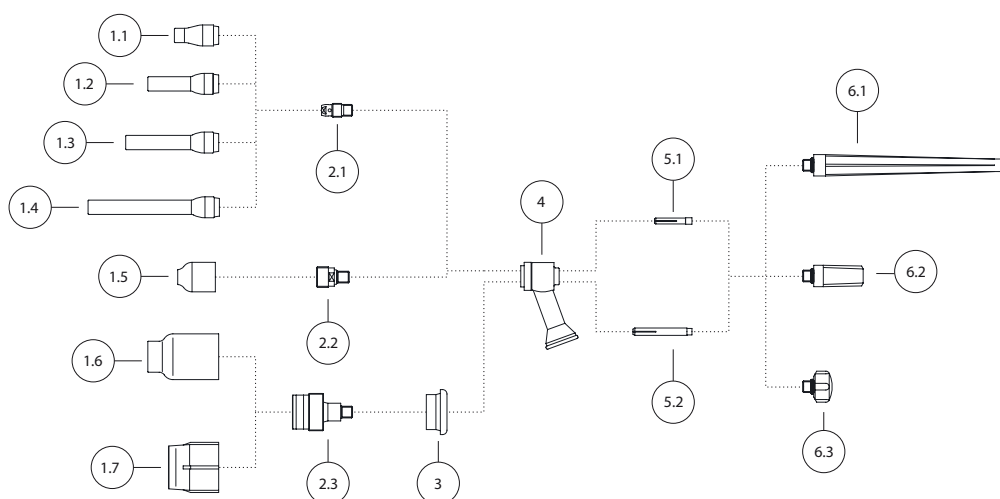
TIG-SR 20 GRIP WD



					
Designation		Item no.			
	m				
TIG welding torch, water-cooled	4	394-511445-00600			
	8	394-511445-00608			



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Length	Material	PU	Item no.		
			mm	mm	mm		Pc.			
1.1	Gas nozzle	4	-	6.5	30	Ceramic	10	094-001343-00000		
1.1	Gas nozzle	5	-	8	30	Ceramic	10	094-001344-00000		
1.1	Gas nozzle	6	-	9.5	30	Ceramic	10	094-001345-00000		
1.1	Gas nozzle	7	-	11	30	Ceramic	10	094-000930-00000		
1.1	Gas nozzle	8	-	12.5	30	Ceramic	10	094-001122-00000		
1.1	Gas nozzle	10	-	16	30	Ceramic	10	094-001346-00000		
1.2	Gas nozzle	4	-	6.5	48	Ceramic	10	094-001347-00000		
1.2	Gas nozzle	5	-	8	48	Ceramic	10	094-001348-00000		
1.2	Gas nozzle	6	-	9.5	48	Ceramic	10	094-001349-00000		
1.3	Gas nozzle	4	-	6.5	63	Ceramic	10	094-012683-00000		
1.3	Gas nozzle	5	-	8	63	Ceramic	10	094-012684-00000		
1.4	Gas nozzle	4	-	6.5	89	Ceramic	10	094-012685-00000		
1.5	Gas nozzle for gas lens	4	-	6.5	25.5	Ceramic	10	094-001356-00000		
1.5	Gas nozzle for gas lens	5	-	8	25.5	Ceramic	10	094-001357-00000		
1.5	Gas nozzle for gas lens	6	-	9.5	25.5	Ceramic	10	094-001358-00000		
1.5	Gas nozzle for gas lens	7	-	11	25.5	Ceramic	10	094-001359-00000		
1.5	Gas nozzle for gas lens	8	-	12.5	25.5	Ceramic	10	094-017595-00000		
1.6	Gas nozzle for gas lens, JUMBO	6	-	9.5	48	Ceramic	10	094-011642-00000		
1.6	Gas nozzle for gas lens, JUMBO	8	-	12.5	48	Ceramic	10	094-011643-00000		
1.6	Gas nozzle for gas lens, JUMBO	10	-	16	48	Ceramic	10	094-011644-00000		
1.6	Gas nozzle for gas lens, JUMBO	12	-	19.5	48	Ceramic	10	094-003136-00000		
1.7	Gas nozzle for gas lens, JUMBO	12	-	24	34	Ceramic	10	094-012686-00000		
2.1	Collet body	-	1.6	-	-	Copper	10	094-001340-00000		
2.1	Collet body	-	2.4	-	-	Copper	10	094-000939-00000		
2.1	Collet body	-	3.2	-	-	Copper	10	094-001342-00000		
2.2	Collet body with gas lens	-	1.6	-	-	Brass	10	094-001352-00000		
2.2	Collet body with gas lens	-	2.4	-	-	Brass	10	094-001354-00000		
2.2	Collet body with gas lens	-	3.2	-	-	Brass	10	094-001355-00000		
2.3	Collet body with gas lens, JUMBO	-	1.6	-	-	Brass	5	094-012680-00000		
2.3	Collet body with gas lens, JUMBO	-	2.4	-	-	Brass	5	094-012681-00000		
2.3	Collet body with gas lens, JUMBO	-	3.2	-	-	Brass	5	094-012682-00000		
3	Adapters	XL	-	-	-	Teflon	5	094-011916-00000		
4	Insulator	Standard	-	-	-	Teflon	10	094-001331-00000		
5.1	Collet	-	1.6	-	25.4	Copper	10	094-001121-00000		
5.1	Collet	-	2.4	-	25.4	Copper	10	094-000934-00000		
5.1	Collet	-	3.2	-	25.4	Copper	10	094-001337-00000		
5.2	collet, JUMBO	-	1.6	-	40	Brass	10	094-012677-00000		
5.2	collet, JUMBO	-	2.4	-	40	Brass	10	094-002971-00000		
5.2	collet, JUMBO	-	3.2	-	40	Brass	10	094-012678-00000		
6.1	Back cap	long	-	-	-	Plastic	10	094-001327-00000		
6.2	Back cap	medium	-	-	-	Plastic	10	094-001329-00000		
6.3	Back cap	short	-	-	-	Plastic	10	094-001328-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG-SR 18

TIG-SR 18

Equipment as supplied:

- Collet body: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Double push-button
- Compatible with SR consumables
- Ergonomic GRIP handle for a secure grip

Duty cycle DC-	320 A / 100 %
Duty cycle AC	230 A / 100 %
Electrode Ø	0.5 mm - 4 mm
Gas flow	10 l/min - 20 l/min

TIG-SR 18 GRIP WD



- Water-cooled TIG welding torch



Connection	Tuchel, 5-pole
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Designation		Item no.		
	m			
TIG welding torch, water-cooled	4	394-511490-00600		
	8	394-511490-00608		

TIG-SR 18 GRIP WD KOMBI



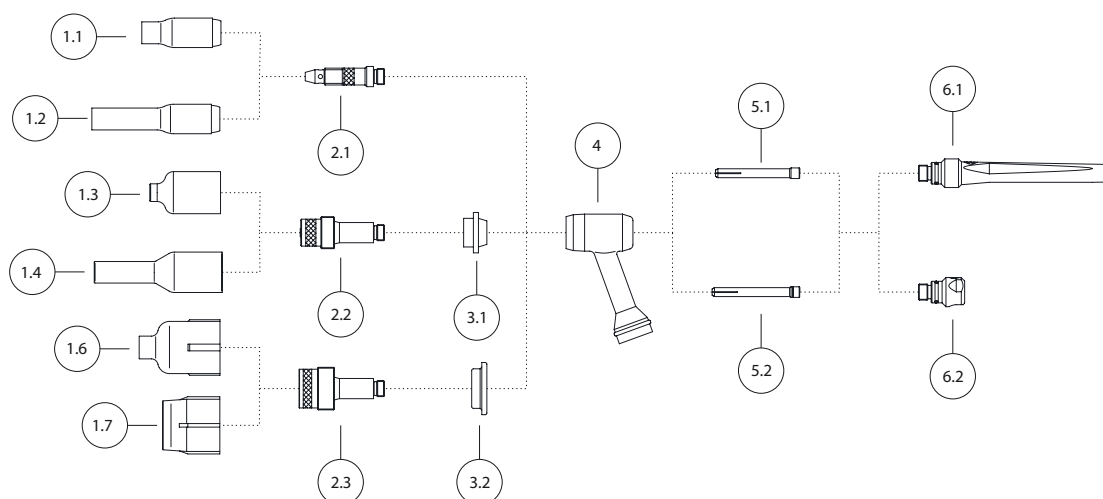
- Water-cooled TIG combined welding torch
- Euro torch connector for connection to all EWM MIG/MAG machines with TIG function
- Includes pole reversal connector

Connection	Euro torch connector
------------	----------------------

Designation		Item no.		
	m			
TIG welding torch, water-cooled	4	394-511490-30600		
	8	394-511490-30608		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Length	Material	PU	Item no.		
			mm	mm	mm		Pc.			
1.1	Gas nozzle	4	-	6.5	47	Ceramic	10	094-001316-00000		
1.1	Gas nozzle	5	-	8	47	Ceramic	10	094-000926-00000		
1.1	Gas nozzle	6	-	9.5	47	Ceramic	10	094-001317-00000		
1.1	Gas nozzle	7	-	11	47	Ceramic	10	094-000927-00000		
1.1	Gas nozzle	8	-	12.5	47	Ceramic	10	094-000929-00000		
1.1	Gas nozzle	10	-	16	47	Ceramic	10	094-001318-00000		
1.1	Gas nozzle	12	-	19.5	50	Ceramic	10	094-001319-00000		
1.2	Gas nozzle	5	-	8	76	Ceramic	10	094-012691-00000		
1.2	Gas nozzle	6	-	9.5	76	Ceramic	10	094-012692-00000		
1.2	Gas nozzle	7	-	11	76	Ceramic	10	094-012693-00000		
1.3	Gas nozzle for gas lens	4	-	6.5	42	Ceramic	10	094-001320-00000		
1.3	Gas nozzle for gas lens	5	-	8	42	Ceramic	10	094-001321-00000		
1.3	Gas nozzle for gas lens	6	-	9.5	42	Ceramic	10	094-001322-00000		
1.3	Gas nozzle for gas lens	7	-	11	42	Ceramic	10	094-001195-00000		
1.3	Gas nozzle for gas lens	8	-	12.5	42	Ceramic	10	094-001196-00000		
1.3	Gas nozzle for gas lens	12	-	19.5	42	Ceramic	10	094-001323-00000		
1.4	Gas nozzle for gas lens	5	-	8	76	Ceramic	10	094-011135-00000		
1.4	Gas nozzle for gas lens	6	-	9.5	76	Ceramic	10	094-011136-00000		
1.4	Gas nozzle for gas lens	7	-	11	76	Ceramic	10	094-012694-00000		
1.6	Gas nozzle for gas lens, JUMBO	6	-	9.5	48	Ceramic	10	094-011642-00000		
1.6	Gas nozzle for gas lens, JUMBO	8	-	12.5	48	Ceramic	10	094-011643-00000		
1.6	Gas nozzle for gas lens, JUMBO	10	-	16	48	Ceramic	10	094-011644-00000		
1.6	Gas nozzle for gas lens, JUMBO	12	-	19.5	48	Ceramic	10	094-003136-00000		
1.7	Gas nozzle for gas lens, JUMBO	12	-	24	34	Ceramic	10	094-012686-00000		
2.1	Collet body	-	1.6	-	-	Copper	10	094-000936-00000		
2.1	Collet body	-	2 - 2.4	-	-	Copper	10	094-000937-00000		
2.1	Collet body	-	3.2	-	-	Copper	10	094-000940-00000		
2.1	Collet body	-	4	-	-	Copper	10	094-001315-00000		
2.2	Collet body with gas lens	-	1.6	-	-	Brass	10	094-001325-00000		
2.2	Collet body with gas lens	-	2 - 2.4	-	-	Brass	10	094-001192-00000		
2.2	Collet body with gas lens	-	3.2	-	-	Brass	10	094-001193-00000		
2.2	Collet body with gas lens	-	4	-	-	Brass	10	094-001326-00000		
2.3	Collet body with gas lens, JUMBO	-	1.6	-	-	Brass	5	094-003137-00010		
2.3	Collet body with gas lens, JUMBO	-	2.4	-	-	Brass	5	094-003137-00000		
2.3	Collet body with gas lens, JUMBO	-	3.2	-	-	Brass	5	094-000000-00000		
2.3	Collet body with gas lens, JUMBO	-	4	-	-	Brass	5	094-011641-00000		
3.1	Adapters	XL	-	-	-	Teflon	10	094-001194-00000		
3.2	Adapter, JUMBO	XXL	-	-	-	Teflon	5	094-003138-00000		
4	Insulator	Standard	-	-	-	Teflon	10	094-001307-00000		
5.1	Collet	-	4	-	50	Copper	10	094-001312-00000		
5.1	Collet	-	1.6	-	50	Copper	10	094-000931-00000		
5.1	Collet	-	2.4	-	50	Copper	10	094-000932-00000		
5.1	Collet	-	3.2	-	50	Copper	10	094-000935-00000		
5.2	Collet	-	1.6	-	52	-	10	094-003402-00000		
5.2	Collet	-	2.4	-	52	-	10	094-003241-00000		
5.2	Collet	-	3.2	-	52	-	10	094-003242-00000		
5.2	Collet	-	4	-	52	-	10	094-008583-00000		
6.1	Back cap	long	-	-	-	Plastic	10	094-001114-00000		
6.2	Back cap	short	-	-	-	Plastic	10	094-001120-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG-SR 18SC

TIG-SR 18SC

Equipment as supplied:

- Collet body: Ø 3.2 mm
- Gas nozzle: Ø 12.5 mm, size 8
- Tungsten electrode E3 (purple): Ø 3.2 mm

- Water-cooled TIG welding torch
- SuperCool / high-performance torch version
- Compatible with SR consumables
- Double push-button
- Ergonomic GRIP handle for a secure grip

Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %
Electrode Ø	0.5 mm - 4 mm
Gas flow	10 l/min - 20 l/min
Connection	G1/4"

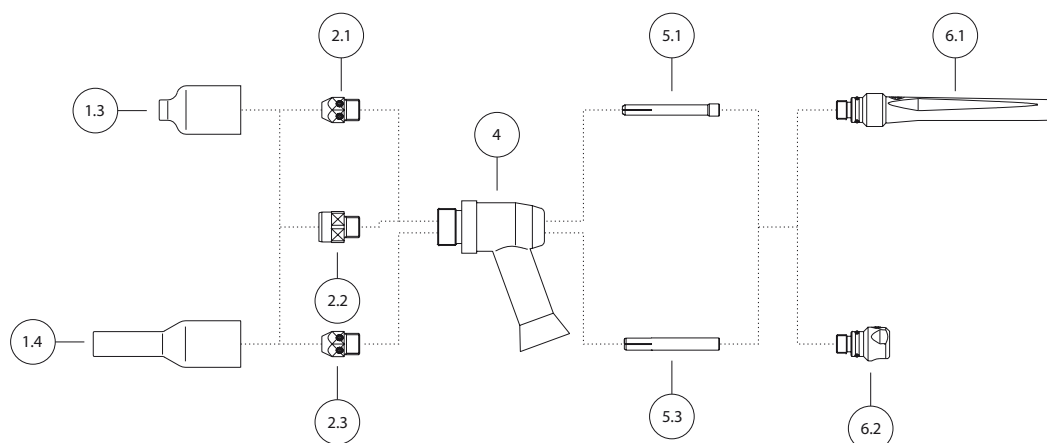
TIG-SR 18SC GRIP WD



Designation		Item no.		
	m			
TIG welding torch, water-cooled	4	394-511624-00600		
	8	394-511624-00608		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Pc.	Item no.		
1.3	Gas nozzle for gas lens	4	-	6.5	42	Ceramic	10	094-001320-00000		
1.3	Gas nozzle for gas lens	5	-	8	42	Ceramic	10	094-001321-00000		
1.3	Gas nozzle for gas lens	6	-	9.5	42	Ceramic	10	094-001322-00000		
1.3	Gas nozzle for gas lens	7	-	11	42	Ceramic	10	094-001195-00000		
1.3	Gas nozzle for gas lens	8	-	12.5	42	Ceramic	10	094-001196-00000		
1.4	Gas nozzle for gas lens	5	-	8	76	Ceramic	10	094-011135-00000		
1.4	Gas nozzle for gas lens	6	-	9.5	76	Ceramic	10	094-011136-00000		
1.4	Gas nozzle for gas lens	7	-	11	76	Ceramic	10	094-012694-00000		
2.1	Collet body	-	0.5 - 3.2	-	-	Brass	10	094-011137-00000		
2.2	Collet body with gas lens	-	1.6	-	-	Copper	10	094-012698-00000		
2.2	Collet body with gas lens	-	2.4	-	-	Copper	10	094-012699-00000		
2.2	Collet body with gas lens	-	3.2	-	-	Copper	1	094-001362-00000		
2.3	Collet body	-	3.2 - 4.8	-	-	Brass	10	094-001117-00000		
4	Insulator	-	-	-	-	Teflon	5	094-001360-00000		
5.1	Collet	-	1.6	-	50	Copper	10	094-000931-00000		
5.1	Collet	-	2.4	-	50	Copper	10	094-000932-00000		
5.1	Collet	-	3.2	-	50	Copper	10	094-000935-00000		
5.3	collet, high-performance	-	3.2	-	49	Copper	10	094-001361-00000		
5.3	collet, high-performance	-	4	-	49	Copper	10	094-001116-00000		
5.3	collet, high-performance	-	4.8	-	49	Copper	10	094-001115-00000		
6.1	Back cap	long	-	-	-	Plastic	10	094-001114-00000		
6.2	Back cap	short	-	-	-	Plastic	10	094-001120-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG 260

TIG 260

Equipment as supplied:

- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Water-cooled TIG welding torch
- Ergonomic GRIP handle for a secure grip

Duty cycle DC-	260 A / 100 %
Duty cycle AC	185 A / 100 %
Electrode Ø	1 mm - 3.2 mm
Gas flow	10 l/min - 20 l/min

TIG 260 GRIP WD



- Double push-button



Connection	Tuchel, 5-pole
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Designation		Item no.		
	m			
TIG welding torch, water-cooled	4	394-510990-00600		
	8	394-510990-00608		

TIG 260 GRIP WD U/D



- Setting of welding current and programs
- For Picotig AC/DC, Tetrix DC and AC/DC
- An 8-pole connection socket is required for portable machines up to 270 A

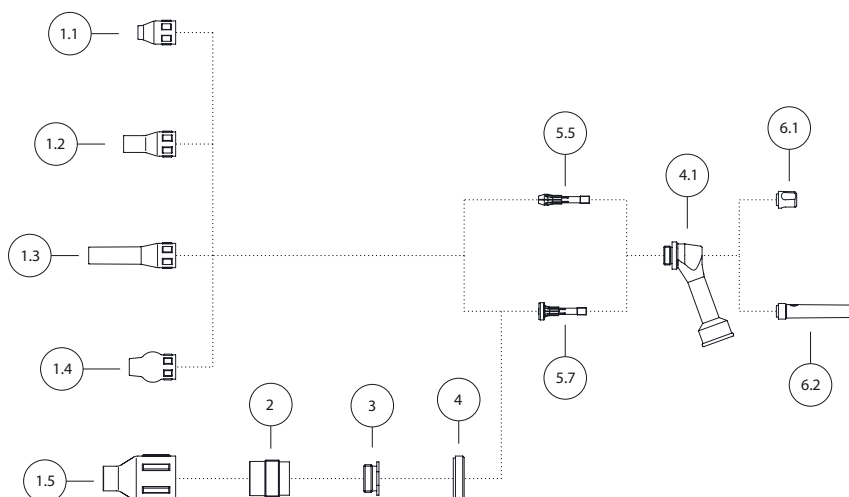


Connection	Burndy, 8-pole
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Designation		Item no.		
	m			
TIG welding torch, Up/Down, water-cooled	4	394-510990-00200		
	8	394-510990-00208		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Pc.	Item no.		
1.1	Gas nozzle	4	-	6.5	26	Ceramic	10	094-012672-00000		
1.1	Gas nozzle	6	-	8	26	Ceramic	10	094-012405-00000		
1.1	Gas nozzle	8	-	10	26	Ceramic	10	094-011756-00000		
1.1	Gas nozzle	10	-	11.5	26	Ceramic	10	094-011980-00000		
1.2	Gas nozzle	6	-	6.5	36	Ceramic	10	094-012673-00000		
1.2	Gas nozzle	7	-	8	36	Ceramic	10	094-012674-00000		
1.2	Gas nozzle	8	-	10	36	Ceramic	10	094-011982-00000		
1.2	Gas nozzle	10	-	11.5	36	Ceramic	10	094-011757-00000		
1.3	Gas nozzle	-	-	6.5	60	Ceramic	10	094-015451-00000		
1.3	Gas nozzle	-	-	8	60	Ceramic	10	398-000191-00000		
1.4	Gas nozzle, ball-shape design	-	-	6.5	32	Ceramic	10	094-019610-00000		
1.4	Gas nozzle, ball-shape design	-	-	8	32	Ceramic	10	394-000156-00000		
1.4	Gas nozzle, ball-shape design	-	-	9.5	32	Ceramic	10	394-000155-00000		
1.4	Gas nozzle, ball-shape design	-	-	11	32	Ceramic	10	094-019609-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000		
2	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000		
2	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000		
2	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000		
3	Adapter ring, JUMBO	XL	-	-	-	Brass	10	094-011758-00000		
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-011760-00000		
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011979-00000		
5.5	Electrode holders	-	1.6	-	35	Brass	5	094-012406-00000		
5.5	Electrode holders	-	2.4	-	35	Brass	5	094-011755-00000		
5.5	Electrode holders	-	3.2	-	35	Brass	5	094-012667-00000		
5.7	Gas diffuser	-	1.6	-	33	Brass	5	094-012669-00000		
5.7	Gas diffuser	-	2.4	-	33	Brass	5	094-011984-00000		
5.7	Gas diffuser	-	3.2	-	33	Brass	5	094-012671-00000		
6.1	Back cap	short	-	-	-	Plastic	5	094-011752-00000		
6.2	Back cap	medium	-	-	-	Plastic	5	094-011753-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG 260 HFL

TIG 260

Equipment as supplied:

- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Water cooled TIG welding torch with a highly flexible hose package
- Ergonomic GRIP handle for a secure grip
- Highly flexible hose package with 1 m leather protector

Duty cycle DC-	260 A / 100 %
Duty cycle AC	185 A / 100 %
Electrode Ø	1 mm - 3.2 mm
Gas flow	10 l/min - 20 l/min

TIG 260 GRIP WD HFL



- Double push-button



Connection	Tuchel, 5-pole
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Designation		Item no.		
	m			
TIG welding torch, water-cooled	4	394-510990-10600		
	8	394-510990-10608		

TIG 260 GRIP WD U/D HFL



- Setting of welding current and programs
- For Picotig AC/DC, Tetrax DC and AC/DC
- An 8-pole connection socket is required for portable machines up to 270 A



Connection	Burndy, 8-pole
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Designation		Item no.		
	m			
TIG welding torch, Up/Down, water-cooled	4	394-510990-10200		
	8	394-510990-10208		

TIG 260 GRIP WD RETOX HFL



- Setting and display of welding current and programs
- For Tetrax DC, AC/DC Comfort and Synergic
- „ON 12-pole connection socket“ option required

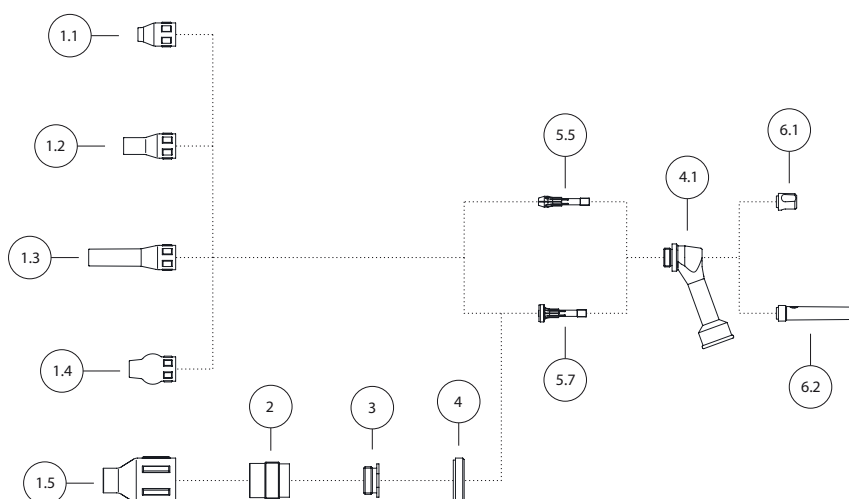


Connection	Burndy, 12-pole
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Designation		Item no.		
	m			
TIG function torch, Retox, water-cooled	4	394-510990-10700		
	8	394-510990-10708		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Pc.	Item no.		
1.1	Gas nozzle	4	-	6.5	26	Ceramic	10	094-012672-00000		
1.1	Gas nozzle	6	-	8	26	Ceramic	10	094-012405-00000		
1.1	Gas nozzle	8	-	10	26	Ceramic	10	094-011756-00000		
1.1	Gas nozzle	10	-	11.5	26	Ceramic	10	094-011980-00000		
1.2	Gas nozzle	6	-	6.5	36	Ceramic	10	094-012673-00000		
1.2	Gas nozzle	7	-	8	36	Ceramic	10	094-012674-00000		
1.2	Gas nozzle	8	-	10	36	Ceramic	10	094-011982-00000		
1.2	Gas nozzle	10	-	11.5	36	Ceramic	10	094-011757-00000		
1.3	Gas nozzle	-	-	6.5	60	Ceramic	10	094-015451-00000		
1.3	Gas nozzle	-	-	8	60	Ceramic	10	398-000191-00000		
1.4	Gas nozzle, ball-shape design	-	-	6.5	32	Ceramic	10	094-019610-00000		
1.4	Gas nozzle, ball-shape design	-	-	8	32	Ceramic	10	394-000156-00000		
1.4	Gas nozzle, ball-shape design	-	-	9.5	32	Ceramic	10	394-000155-00000		
1.4	Gas nozzle, ball-shape design	-	-	11	32	Ceramic	10	094-019609-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000		
2	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000		
2	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000		
2	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000		
3	Adapter ring, JUMBO	XL	-	-	-	Brass	10	094-011758-00000		
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-011760-00000		
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011979-00000		
5.5	Electrode holders	-	1.6	-	35	Brass	5	094-012406-00000		
5.5	Electrode holders	-	2.4	-	35	Brass	5	094-011755-00000		
5.5	Electrode holders	-	3.2	-	35	Brass	5	094-012667-00000		
5.7	Gas diffuser	-	1.6	-	33	Brass	5	094-012669-00000		
5.7	Gas diffuser	-	2.4	-	33	Brass	5	094-011984-00000		
5.7	Gas diffuser	-	3.2	-	33	Brass	5	094-012671-00000		
6.1	Back cap	short	-	-	-	Plastic	5	094-011752-00000		
6.2	Back cap	medium	-	-	-	Plastic	5	094-011753-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG 450

TIG 450

Equipment as supplied:

- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Water-cooled TIG welding torch
- Ergonomic GRIP handle for a secure grip

Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %
Electrode Ø	1.6 mm - 4.8 mm
Gas flow	10 l/min - 20 l/min

TIG 450 GRIP WD



- Double push-button



Connection	Tuchel, 5-pole
-------------------	----------------

Designation		Item no.		
	m			
TIG welding torch, water-cooled	4	394-510993-00600		
	8	394-510993-00608		

TIG 450 GRIP WD U/D



- Setting of welding current and programs
- For Picotig AC/DC, Tetrix DC and AC/DC
- An 8-pole connection socket is required for portable machines up to 270 A



Connection	Burndy, 8-pole
-------------------	----------------

Designation		Item no.		
	m			
TIG welding torch, Up/Down, water-cooled	4	394-510993-00200		
	8	394-510993-00208		

TIG 450 GRIP WD EZA



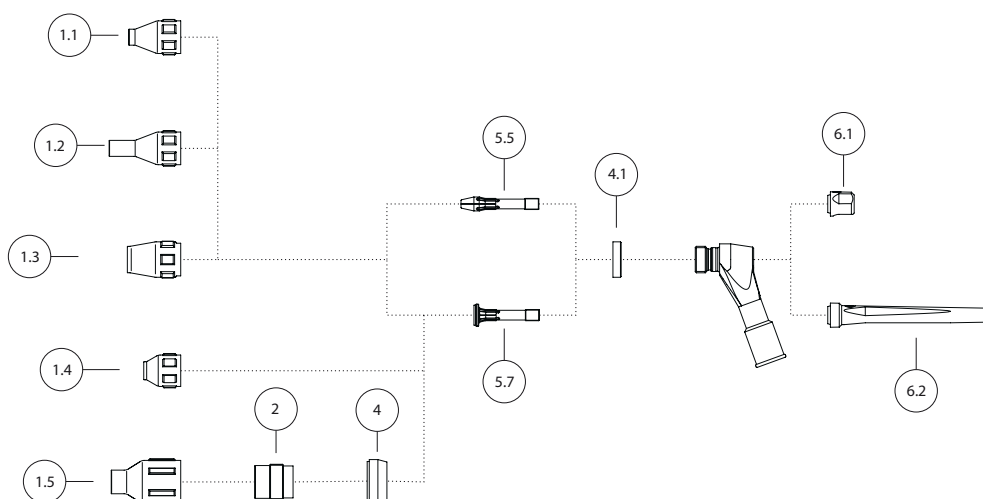
- Single-push button
- Euro torch connector for operation with Taurus, Phoenix and alpha Q (except alpha Q 330)

Connection	Euro torch connector
-------------------	----------------------

Designation		Item no.		
	m			
TIG welding torch, Euro torch connector	4	394-510993-04000		
	8	394-510993-04008		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Pc.	Item no.		
1.1	Gas nozzle	5	-	7.5	37	Ceramic	10	094-009646-00000		
1.1	Gas nozzle	6	-	10	37	Ceramic	10	094-009647-00000		
1.1	Gas nozzle	8	-	13	37	Ceramic	10	094-009648-00000		
1.1	Gas nozzle	10	-	15	37	Ceramic	10	094-009649-00000		
1.2	Gas nozzle	5	-	7.5	52	Ceramic	10	094-009650-00000		
1.2	Gas nozzle	6	-	10	52	Ceramic	10	094-009651-00000		
1.2	Gas nozzle	8	-	13	52	Ceramic	10	094-009653-00000		
1.2	Gas nozzle	10	-	15	52	Ceramic	10	094-009654-00000		
1.3	Gas nozzle, reinforced	8	-	13	38.4	Ceramic	10	094-011997-00000		
1.3	Gas nozzle, reinforced	12	-	15	38.4	Ceramic	10	094-011998-00000		
1.4	Gas nozzle for gas diffuser	4	-	10	26	Ceramic	10	094-009655-00000		
1.4	Gas nozzle for gas diffuser	6	-	13	26	Ceramic	10	094-009656-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000		
2	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000		
2	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000		
2	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000		
2	Gas diffuser, JUMBO	-	4	-	-	Brass	1	094-009661-00000		
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-009657-00000		
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011759-00000		
5.5	Electrode holders	-	1.6	-	56	Brass	5	094-009634-00000		
5.5	Electrode holders	-	2.4	-	56	Brass	5	094-009636-00000		
5.5	Electrode holders	-	3.2	-	56	Brass	5	094-009637-00000		
5.5	Electrode holders	-	4	-	56	Brass	5	094-009638-00000		
5.7	Gas diffuser	-	1.6	-	47	Brass	2	094-009640-00000		
5.7	Gas diffuser	-	2.4	-	47	Brass	2	094-009642-00000		
5.7	Gas diffuser	-	3.2	-	47	Brass	2	094-009643-00000		
5.7	Gas diffuser	-	4	-	47	Brass	2	094-009644-00000		
6.1	Back cap	short	-	-	-	Plastic	5	094-010723-00000		
6.2	Back cap	long	-	-	-	Plastic	5	094-010601-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG 450 HFL

TIG 450

Equipment as supplied:

- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 11 mm, size 7
- Tungsten electrode E3 (purple): Ø 2.4 mm

- Water cooled TIG welding torch with a highly flexible hose package
- Ergonomic GRIP handle for a secure grip
- Highly flexible hose package with 1 m leather protector

Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %
Electrode Ø	1.6 mm - 4.8 mm
Gas flow	10 l/min - 20 l/min

TIG 450 GRIP WD HFL



- Double push-button



Connection	Tuchel, 5-pole
-------------------	----------------

Designation		Item no.		
	m			
TIG welding torch, water-cooled	4	394-510993-10600		
	8	394-510993-10608		

TIG 450 GRIP WD U/D HFL



- Setting of welding current and programs
- For Picotig AC/DC, Tetrax DC and AC/DC
- An 8-pole connection socket is required for portable machines up to 270 A



Connection	Burndy, 8-pole
-------------------	----------------

Designation		Item no.		
	m			
TIG welding torch, Up/Down, water-cooled	4	394-510993-10200		
	8	394-510993-10208		

TIG 450 GRIP WD RETOX HFL



- Setting and display of welding current and programs
- For Tetrax DC, AC/DC Comfort and Synergic
- „ON 12-pole connection socket“ option required

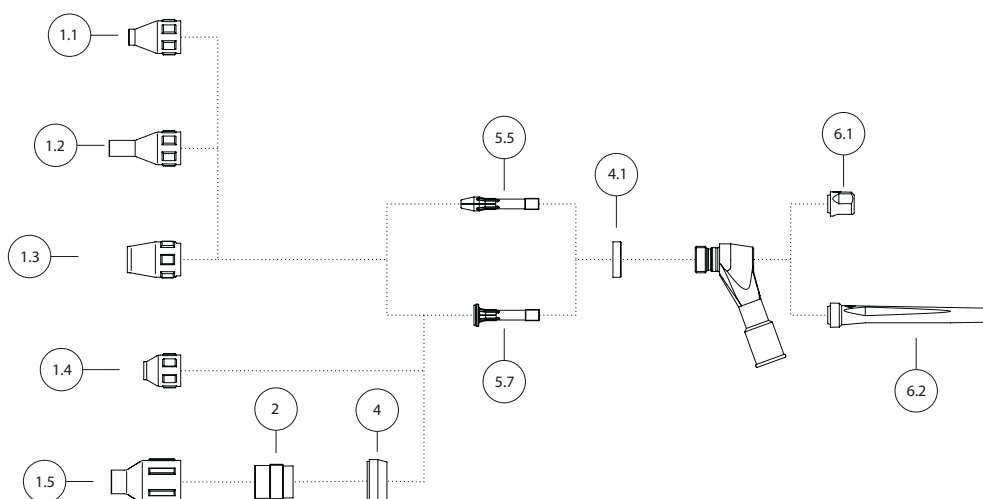


Connection	Burndy, 12-pole
-------------------	-----------------

Designation		Item no.		
	m			
TIG function torch, Retox, water-cooled	4	394-510993-10700		
	8	394-510993-10708		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Pc.	Item no.		
1.1	Gas nozzle	5	-	7.5	37	Ceramic	10	094-009646-00000		
1.1	Gas nozzle	6	-	10	37	Ceramic	10	094-009647-00000		
1.1	Gas nozzle	8	-	13	37	Ceramic	10	094-009648-00000		
1.1	Gas nozzle	10	-	15	37	Ceramic	10	094-009649-00000		
1.2	Gas nozzle	5	-	7.5	52	Ceramic	10	094-009650-00000		
1.2	Gas nozzle	6	-	10	52	Ceramic	10	094-009651-00000		
1.2	Gas nozzle	8	-	13	52	Ceramic	10	094-009653-00000		
1.2	Gas nozzle	10	-	15	52	Ceramic	10	094-009654-00000		
1.3	Gas nozzle, reinforced	8	-	13	38.4	Ceramic	10	094-011997-00000		
1.3	Gas nozzle, reinforced	12	-	15	38.4	Ceramic	10	094-011998-00000		
1.4	Gas nozzle for gas diffuser	4	-	10	26	Ceramic	10	094-009655-00000		
1.4	Gas nozzle for gas diffuser	6	-	13	26	Ceramic	10	094-009656-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000		
2	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000		
2	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000		
2	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000		
2	Gas diffuser, JUMBO	-	4	-	-	Brass	1	094-009661-00000		
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-009657-00000		
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011759-00000		
5.5	Electrode holders	-	1.6	-	56	Brass	5	094-009634-00000		
5.5	Electrode holders	-	2.4	-	56	Brass	5	094-009636-00000		
5.5	Electrode holders	-	3.2	-	56	Brass	5	094-009637-00000		
5.5	Electrode holders	-	4	-	56	Brass	5	094-009638-00000		
5.7	Gas diffuser	-	1.6	-	47	Brass	2	094-009640-00000		
5.7	Gas diffuser	-	2.4	-	47	Brass	2	094-009642-00000		
5.7	Gas diffuser	-	3.2	-	47	Brass	2	094-009643-00000		
5.7	Gas diffuser	-	4	-	47	Brass	2	094-009644-00000		
6.1	Back cap	short	-	-	-	Plastic	5	094-010723-00000		
6.2	Back cap	long	-	-	-	Plastic	5	094-010601-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG 450SC HFL

TIG 450SC

Equipment as supplied:

- Electrode holder: Ø 3.2 mm
- Gas nozzle: Ø 10 mm, size 6
- Tungsten electrode E3 (purple): Ø 3.2 mm

- Water cooled TIG welding torch with a highly flexible hose package
- SuperCool / high-performance torch version
- Ergonomic GRIP handle for a secure grip
- Highly flexible hose package with 1 m leather protector

Duty cycle DC-	450 A / 100 %
Duty cycle AC	320 A / 100 %
Electrode Ø	1.6 mm - 4.8 mm
Gas flow	10 l/min - 20 l/min

TIG 450SC GRIP WD HFL



- Double push-button



Connection	Tuchel, 5-pole
-------------------	----------------

Designation		Item no.		
	m			
TIG welding torch, water-cooled	4	394-511016-10600		
	8	394-511016-10608		

TIG 450SC GRIP WD U/D HFL



- Setting of welding current and programs
- For Picotig AC/DC, Tetrix DC and AC/DC
- An 8-pole connection socket is required for portable machines up to 270 A



Connection	Burndy, 8-pole
-------------------	----------------

Designation		Item no.		
	m			
TIG welding torch, Up/Down, water-cooled	4	394-511016-10200		
	8	394-511016-10208		

TIG 450SC GRIP WD RETOX HFL



- Setting and display of welding current and programs
- For Tetrix DC, AC/DC Comfort and Synergic
- „ON 12-pole connection socket“ option required

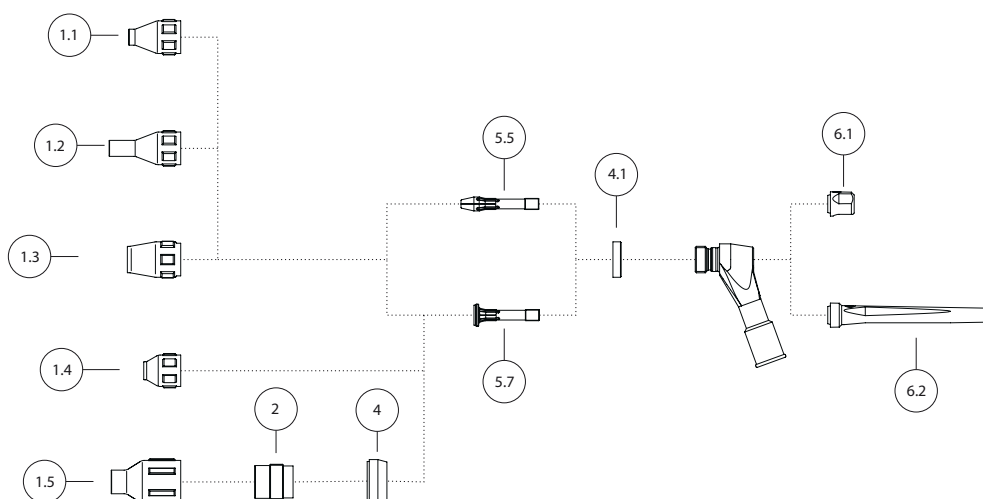


Connection	Burndy, 12-pole
-------------------	-----------------

Designation		Item no.		
	m			
TIG function torch, Retox, water-cooled	4	394-511016-10700		
	8	394-511016-10708		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Length mm	Material	PU Pc.	Item no.		
1.1	Gas nozzle	5	-	7.5	37	Ceramic	10	094-009646-00000		
1.1	Gas nozzle	6	-	10	37	Ceramic	10	094-009647-00000		
1.1	Gas nozzle	8	-	13	37	Ceramic	10	094-009648-00000		
1.1	Gas nozzle	10	-	15	37	Ceramic	10	094-009649-00000		
1.2	Gas nozzle	5	-	7.5	52	Ceramic	10	094-009650-00000		
1.2	Gas nozzle	6	-	10	52	Ceramic	10	094-009651-00000		
1.2	Gas nozzle	8	-	13	52	Ceramic	10	094-009653-00000		
1.2	Gas nozzle	10	-	15	52	Ceramic	10	094-009654-00000		
1.3	Gas nozzle, reinforced	8	-	13	38.4	Ceramic	10	094-011997-00000		
1.3	Gas nozzle, reinforced	12	-	15	38.4	Ceramic	10	094-011998-00000		
1.4	Gas nozzle for gas diffuser	4	-	10	26	Ceramic	10	094-009655-00000		
1.4	Gas nozzle for gas diffuser	6	-	13	26	Ceramic	10	094-009656-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000		
2	Gas diffuser, JUMBO	-	1.6	-	-	Brass	1	094-009658-00000		
2	Gas diffuser, JUMBO	-	2.4	-	-	Brass	1	094-009659-00000		
2	Gas diffuser, JUMBO	-	3.2	-	-	Brass	1	094-009660-00000		
2	Gas diffuser, JUMBO	-	4	-	-	Brass	1	094-009661-00000		
4	Insulator, JUMBO	XL	-	-	-	Teflon	1	094-009657-00000		
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011759-00000		
5.5	Electrode holders	-	1.6	-	56	Brass	5	094-009634-00000		
5.5	Electrode holders	-	2.4	-	56	Brass	5	094-009636-00000		
5.5	Electrode holders	-	3.2	-	56	Brass	5	094-009637-00000		
5.5	Electrode holders	-	4	-	56	Brass	5	094-009638-00000		
5.7	Gas diffuser	-	1.6	-	47	Brass	2	094-009640-00000		
5.7	Gas diffuser	-	2.4	-	47	Brass	2	094-009642-00000		
5.7	Gas diffuser	-	3.2	-	47	Brass	2	094-009643-00000		
5.7	Gas diffuser	-	4	-	47	Brass	2	094-009644-00000		
6.1	Back cap	short	-	-	-	Plastic	5	094-010723-00000		
6.2	Back cap	long	-	-	-	Plastic	5	094-010601-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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spotArc

spotArc G

Equipment ex works:

- Collet body: Ø 2.4 mm

- 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

Duty cycle DC-	200 A / 60 %
Duty cycle AC	160 A / 60 %
Electrode Ø	1.6 mm - 3.2 mm
Gas flow	5 l/min - 8 l/min
Connection	G1/4"

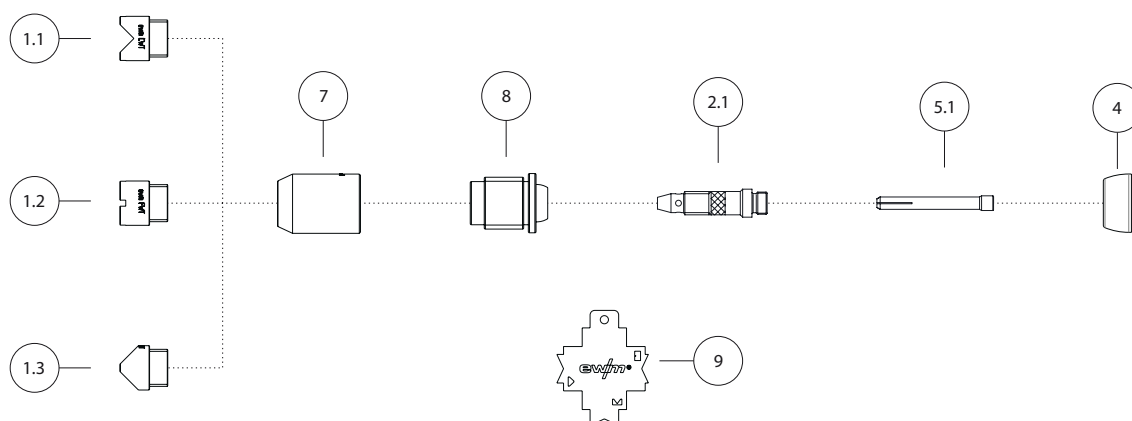
spotArc G



Designation			Item no.		
	m				
	4		094-500046-00000		
	8		094-500046-00008		
TIG welding torch, gas-cooled	4		094-500047-00000		
	8		094-500047-00008		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Length mm	Material	PU Pc.	Item no.		
1.1	Spot welding nozzle, edge weld	Edge weld	-	-	Copper	5	094-009602-00002		
1.2	Spot welding nozzle, flat weld	Flat weld	-	-	Copper	5	094-009604-00002		
1.3	Spot welding nozzle, fillet weld	Fillet weld	-	-	Copper	5	094-009603-00002		
2.1	Collet body	-	1.6	-	Copper	10	094-000936-00000		
2.1	Collet body	-	2 - 2.4	-	Copper	10	094-000937-00000		
2.1	Collet body	-	3.2	-	Copper	10	094-000940-00000		
2.1	Collet body	-	4	-	Copper	10	094-001315-00000		
4	Insulator	-	-	-	-	2	094-019215-00000		
5.1	Collet	-	4	50	Copper	10	094-001312-00000		
5.1	Collet	-	1.6	50	Copper	10	094-000931-00000		
5.1	Collet	-	2.4	50	Copper	10	094-000932-00000		
5.1	Collet	-	3.2	50	Copper	10	094-000935-00000		
7	Gas nozzle body	-	-	-	-	1	094-017309-00001		
8	Gas nozzle	-	-	-	-	10	094-017310-00000		
9	Electrode setting gauge with adjustable, flat-ground and non-wearing carbide stop	-	-	-	Stainless steel	1	094-014146-00001		

Product details

Tungsten electrodes

Consumables kits for TIG series

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spotArc

spotArc W

Equipment ex works:

- Collet body: Ø 2.4 mm

- 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

Duty cycle DC-	400 A / 100 %
Duty cycle AC	360 A / 100 %
Electrode Ø	1.6 mm - 3.2 mm
Gas flow	5 l/min - 8 l/min
Connection	Tuchel, 5-pole

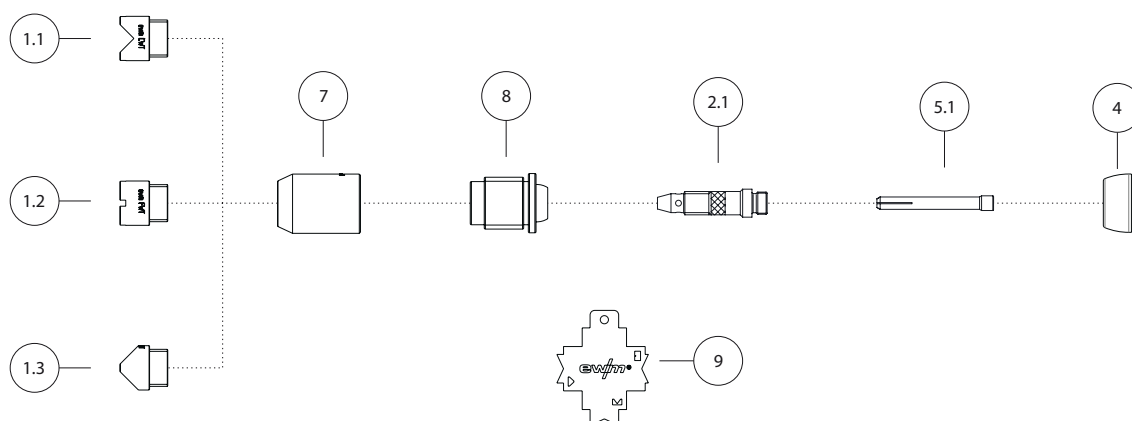
spotArc W



Designation			Item no.		
	m				
	4		094-500048-00000		
	8		094-500048-00008		
TIG spot welding torch, water-cooled	4		094-500049-00000		
	8		094-500049-00008		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø mm	Length mm	Material	PU Pc.	Item no.		
1.1	Spot welding nozzle, edge weld	Edge weld	-	-	Copper	5	094-009602-00002		
1.2	Spot welding nozzle, flat weld	Flat weld	-	-	Copper	5	094-009604-00002		
1.3	Spot welding nozzle, fillet weld	Fillet weld	-	-	Copper	5	094-009603-00002		
2.1	Collet body	-	1.6	-	Copper	10	094-000936-00000		
2.1	Collet body	-	2 - 2.4	-	Copper	10	094-000937-00000		
2.1	Collet body	-	3.2	-	Copper	10	094-000940-00000		
2.1	Collet body	-	4	-	Copper	10	094-001315-00000		
4	Insulator	-	-	-	-	2	094-019215-00000		
5.1	Collet	-	4	50	Copper	10	094-001312-00000		
5.1	Collet	-	1.6	50	Copper	10	094-000931-00000		
5.1	Collet	-	2.4	50	Copper	10	094-000932-00000		
5.1	Collet	-	3.2	50	Copper	10	094-000935-00000		
7	Gas nozzle body	-	-	-	-	1	094-017309-00001		
8	Gas nozzle	-	-	-	-	10	094-017310-00000		
9	Electrode setting gauge with adjustable, flat-ground and non-wearing carbide stop	-	-	-	Stainless steel	1	094-014146-00001		

Product details

Tungsten electrodes

Consumables kits for TIG series

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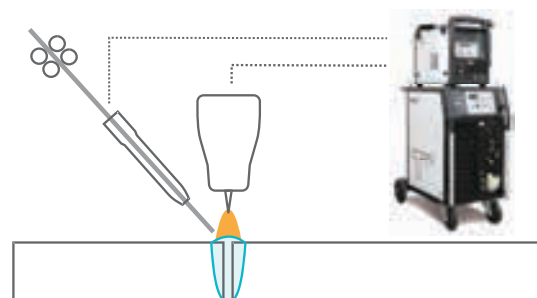
TIG hot and cold wire welding



Your benefits

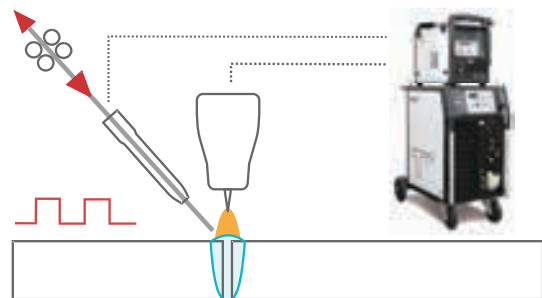
Cold and hot wire welding

- / Up to 60% higher deposition rates*
- / Higher seam quality*
thanks to significantly reduced dilution when surfacing
- / Reduces welder fatigue*
thanks to easier handling and more comfortable working positions



tigSpeed: Cold and hot wire welding

- / Ideal for positional welding
Perfectly controllable weld pool thanks to superimposed forward/backward motion of the wire
- / Optimum seam appearance with shapeable bead ripples thanks to infinitely adjustable frequency of the forward/backward motion of the wire
- / Reliable welding of root passes with high welding speed



Welding speed comparison



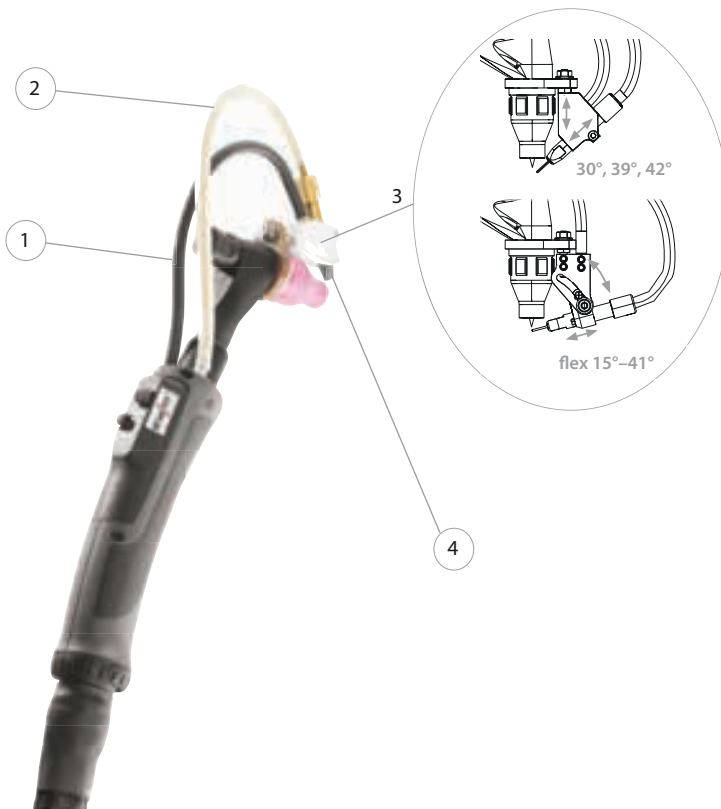
Welding speed comparison in cm/min:
Position PF: manual TIG with 3.2 mm filler wire; TIG cold wire + tigSpeed and hot wire + tigSpeed with 1.0 mm filler wire

Your benefits

- / Perfectly controllable weld pool, even with positional welding (e.g. vertical-up position)
- / Extremely high welding speeds – similar to MIG/MAG welding, but with low emissions and no spatter
- / Reduced heat input, minimised distortion, less shrinkage of the workpieces and optimised impact work-values
- / Reduces welder fatigue thanks to easier handling and more comfortable working positions



Structure of a welding torch system as demonstrated by the TIG450 CW/HW

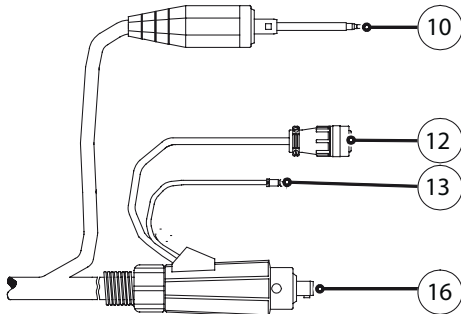


1. Hot wire current lead
2. Wire feed, contains liners and steel liners
3. Wire feed angle, optionally 30°, 39° and 42° or flexible between 15°–42°
4. Contact tip

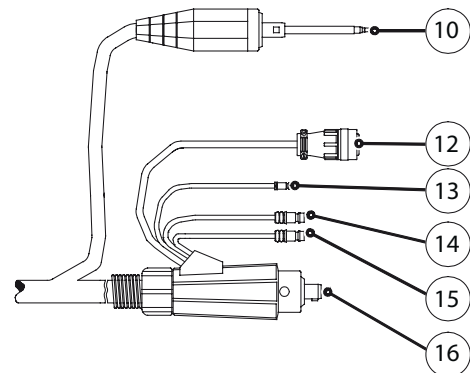


■ **Cold/hot wire torch connectors**

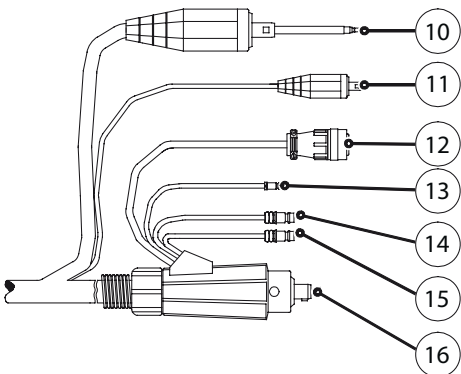
■ **Cold wire, gas-cooled**



■ **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



Overview

Cold/hot wire torches			Page
TIG welding torches	Cold/hot wire torches	TIG 200 CW	188
		comfyTig 18-1 CW/HW	190
		TIG 450 CW/HW HFL	192



TIG 200 CW

TIG 200

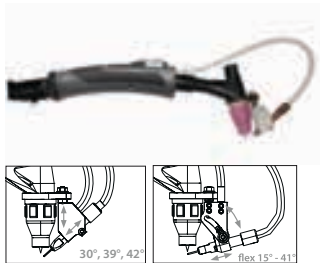
Equipment as supplied:

- Gas diffuser: Ø 3.2 mm
- Gas nozzle: Ø 10 mm, size 6
- Tungsten electrode E3 (purple): Ø 3.2 mm

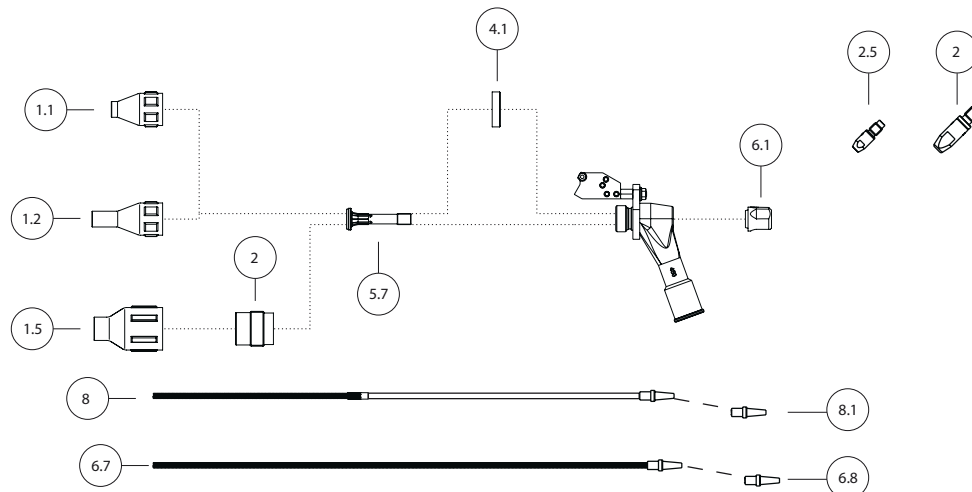
- Gas cooled TIG welding torch with integrated cold wire feed
- Setting of welding current and programs
- Ergonomic GRIP handle for a secure grip
- Highly flexible hose package with 1 m leather protector
- Delivered ready to weld ex works
- Replaceable steel liner
- 270° rotatable and replaceable wire feed
- Ceramic-coated wire support
- Three fixed wire feed angles: 30°, 39°, and 41°
- Flexible wire feed angle of 15°-41°

Duty cycle DC-	200 A / 35 %
Duty cycle AC	140 A / 35 %
Electrode Ø	1.6 mm - 3.2 mm
Gas flow	10 l/min - 20 l/min
Connection	Burndy, 12-pole

TIG 200 GRIP GD CW U/D HFL



Designation	Bend angle torch neck	Item no.		
		m		
TIG welding torch, cold wire, up/down	30 °	3	094-500129-10203	
		4	094-500129-10200	
	39 °	3	094-500130-10203	
		4	094-500130-10200	
	42 °	3	094-500131-10203	
		4	094-500131-10200	
	flex.	3	094-500132-10203	
		4	094-500132-10200	



► You will find other spare parts in our spare parts catalogue.



■ Consumables

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Wire Ø	Threads	Length	Material	PU	Item no.		
			mm	mm	mm		mm		Pc.			
1.1	Gas nozzle	5	-	7.5	-	-	37	Ceramic	10	094-009646-00000		
1.1	Gas nozzle	6	-	10	-	-	37	Ceramic	10	094-009647-00000		
1.1	Gas nozzle	8	-	13	-	-	37	Ceramic	10	094-009648-00000		
1.1	Gas nozzle	10	-	15	-	-	37	Ceramic	10	094-009649-00000		
1.2	Gas nozzle	5	-	7.5	-	-	52	Ceramic	10	094-009650-00000		
1.2	Gas nozzle	6	-	10	-	-	52	Ceramic	10	094-009651-00000		
1.2	Gas nozzle	8	-	13	-	-	52	Ceramic	10	094-009653-00000		
1.2	Gas nozzle	10	-	15	-	-	52	Ceramic	10	094-009654-00000		
1.5	Gas nozzle for gas diffu- ser, JUMBO	12	-	12.5	-	-	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffu- ser, JUMBO	16	-	16	-	-	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffu- ser, JUMBO	20	-	19.5	-	-	50	Ceramic	10	094-009665-00000		
2	Contact tip	-	-	-	0.8	M6	28	CuCrZr	10	094-013071-00000		
2	Contact tip	-	-	-	0.9	M6	28	CuCrZr	10	094-013122-00000		
2	Contact tip	-	-	-	1	M6	28	CuCrZr	10	094-013072-00000		
2	Contact tip	-	-	-	1.2	M6	28	CuCrZr	10	094-014317-00000		
2	Gas diffuser, JUMBO	-	1.6	-	-	-	-	Brass	1	094-009658-00000		
2	Gas diffuser, JUMBO	-	2.4	-	-	-	-	Brass	1	094-009659-00000		
2	Gas diffuser, JUMBO	-	3.2	-	-	-	-	Brass	1	094-009660-00000		
2	Gas diffuser, JUMBO	-	4	-	-	-	-	Brass	1	094-009661-00000		
2.5	Contact tip	-	-	-	0.8	M5	19	CuCrZr	10	094-016775-00000		
2.5	Contact tip	-	-	-	1	M5	19	CuCrZr	10	094-016758-00000		
2.5	Contact tip	-	-	-	1.2	M5	19	CuCrZr	10	094-016776-00000		
4.1	Insulator	Standard	-	-	-	-	-	Teflon	10	094-011759-00000		
5.7	Gas diffuser	-	1.6	-	-	-	47	Brass	2	094-009640-00000		
5.7	Gas diffuser	-	2	-	-	-	47	Brass	2	094-009641-00000		
5.7	Gas diffuser	-	2.4	-	-	-	47	Brass	2	094-009642-00000		
5.7	Gas diffuser	-	3.2	-	-	-	47	Brass	2	094-009643-00000		
5.7	Gas diffuser	-	4	-	-	-	47	Brass	2	094-009644-00000		
6.1	Back cap	short	-	-	-	-	-	Plastic	5	094-010723-00000		

■ Liners

Item	Designation	Wire Ø	Inside Ø	Outside Ø	Length	Material	PU	Item no.		
		mm	mm	mm	m		Pc.			
6.7	Steel liner, steel	0.6 - 1	1.5	3.3	3.5	Steel	1	092-018695-00003		
6.7	Steel liner, steel	0.6 - 1	1.5	3.3	4.5	Steel	1	092-018695-00004		
6.7	Steel liner, steel	1.2 - 1.6	2	4	3.5	Steel	1	092-018693-00003		
6.7	Steel liner, steel	1.2 - 1.6	2	4	4.5	Steel	1	092-018693-00004		
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	3.5	CrNi	1	092-018696-00003		
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	4.5	CrNi	1	092-018696-00004		
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	3.5	CrNi	1	092-018694-00003		
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	4.5	CrNi	1	092-018694-00004		
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	5.5	CrNi	1	092-018694-00005		
6.7	Steel liner, brass	1.2 - 1.6	2	4	3.5	Brass	1	092-018697-00003		
6.7	Steel liner, brass	1.2 - 1.6	2	4	4.5	Brass	1	092-018697-00004		
6.8	Inlet guide, spiral	-	-	3.3	-	-	2	094-020159-00000		
6.8	Inlet guide, spiral	-	-	4	-	-	2	094-020069-00000		
8	Combined liner, PA	1.2 - 1.6	2	4	3.5	PA	1	092-018706-00003		
8	Combined liner, PA	1.2 - 1.6	2	4	4.5	PA	1	092-018706-00004		
8.1	Inlet guide, liner	-	-	-	-	-	2	094-014032-00001		

Product details

Tungsten electrodes

Consumables kits for TIG series

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comfyTig 18-1 CW/HW

comfyTig 18-1

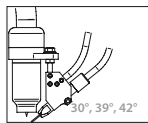
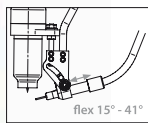
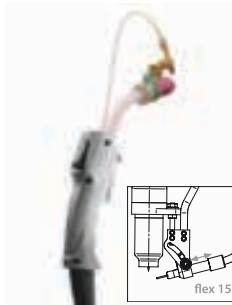
Equipment as supplied:

- Gas lens: Ø 3.2 mm
- Gas nozzle: Ø 12.5 mm, size 8
- Tungsten electrode E3 (purple): Ø 3.2 mm

- Improved handling though MIG/MAG torch grip casing
- Hardly any changes when switching from MIG/MAG to cold or hot wire welding
- Compatible with SR consumables
- Double push-button
- Delivered ready to weld ex works
- Replaceable steel liner
- 270° rotatable and replaceable wire feed
- Ceramic-coated wire support
- Three fixed wire feed angles: 30°, 39°, and 41°
- Flexible wire feed angle of 15°-41°
- In conjunction with ewm tigSpeed only!

Duty cycle DC-	300 A / 100 %
Duty cycle AC	210 A / 100 %
Electrode Ø	0.5 mm - 4 mm
Gas flow	10 l/min - 20 l/min
Connection	Burndy, 12-pole

comfyTig 18-1 CW

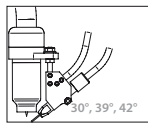
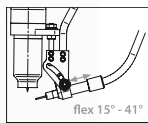
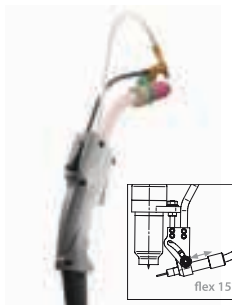


- Water cooled TIG welding torch with a separate cold wire feed
- Wire feed integrated into grip



Designation	Bend angle torch neck	m	Item no.		
TIG welding torch, cold wire, up/down	30 °	3	094-500142-00603		
		4	094-500142-00600		
	39 °	3	094-500143-00603		
		4	094-500143-00600		
	42 °	3	094-500144-00603		
		4	094-500144-00600		
	flex.	3	094-500145-00603		
		4	094-500145-00600		

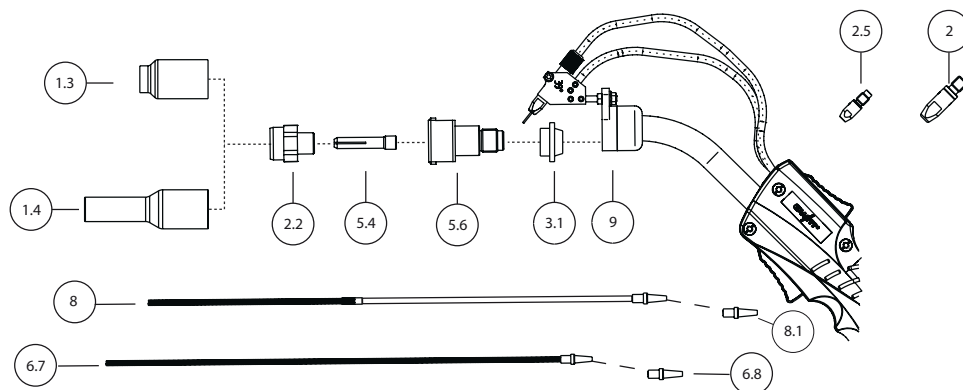
comfyTig 18-1 HW



- Water cooled TIG welding torch with a separate cold and hot wire feed
- Wire feed and hot wire power line integrated into grip



Designation	Bend angle torch neck	m	Item no.		
TIG welding torch, hot wire, up/down	30 °	3	094-500146-00603		
		4	094-500146-00600		
	39 °	3	094-500147-00603		
		4	094-500147-00600		
	42 °	3	094-500148-00603		
		4	094-500148-00600		
	flex.	3	094-500149-00603		
		4	094-500149-00600		





■ Consumables

Item	Designation	Size	Electro- de Ø mm	Nozzle Ø mm	Wire Ø mm	Threads	Length mm	PU Pc.	Item no.		
1.3	Gas nozzle for gas lens	4	-	6.5	-	-	42	10	094-001320-00000		
1.3	Gas nozzle for gas lens	5	-	8	-	-	42	10	094-001321-00000		
1.3	Gas nozzle for gas lens	6	-	9.5	-	-	42	10	094-001322-00000		
1.3	Gas nozzle for gas lens	7	-	11	-	-	42	10	094-001195-00000		
1.3	Gas nozzle for gas lens	8	-	12.5	-	-	42	10	094-001196-00000		
1.3	Gas nozzle for gas lens	12	-	19.5	-	-	42	10	094-001323-00000		
1.4	Gas nozzle for gas lens	5	-	8	-	-	76	10	094-011135-00000		
1.4	Gas nozzle for gas lens	6	-	9.5	-	-	76	10	094-011136-00000		
1.4	Gas nozzle for gas lens	7	-	11	-	-	76	10	094-012694-00000		
2	Contact tip	-	-	-	0.8	M6	28	10	094-013071-00000		
2	Contact tip	-	-	-	0.9	M6	28	10	094-013122-00000		
2	Contact tip	-	-	-	1	M6	28	10	094-013072-00000		
2	Contact tip	-	-	-	1.2	M6	28	10	094-014317-00000		
2.2	Collet body with gas lens	-	1.6	-	-	-	-	10	094-012698-00000		
2.2	Collet body with gas lens	-	2.4	-	-	-	-	10	094-012699-00000		
2.2	Collet body with gas lens	-	3.2	-	-	-	-	1	094-001362-00000		
2.2	Collet body with gas lens	-	4	-	-	-	-	1	094-001363-00000		
2.5	Contact tip	-	-	-	0.8	M5	19	10	094-016775-00000		
2.5	Contact tip	-	-	-	1	M5	19	10	094-016758-00000		
2.5	Contact tip	-	-	-	1.2	M5	19	10	094-016776-00000		
3.1	Adapters	XL	-	-	-	-	-	10	094-001194-00000		
5.4	Collet	-	1.6	-	-	-	29.5	10	094-017284-00000		
5.4	Collet	-	2.4	-	-	-	29.5	10	094-017285-00000		
5.4	Collet	-	3.2	-	-	-	29.5	10	094-019288-00000		
5.6	Collet body mount	-	-	-	-	-	-	1	094-021094-00001		
9	O-ring	-	-	-	-	-	-	10	094-008422-00000		

■ Liners

Item	Designation	Wire Ø mm	Inside Ø mm	Outside Ø mm	Length m	Material	PU Pc.	Item no.		
6.7	Steel liner, steel	0.6 - 1	1.5	3.3	3.5	Steel	1	092-018695-00003		
6.7	Steel liner, steel	0.6 - 1	1.5	3.3	4.5	Steel	1	092-018695-00004		
6.7	Steel liner, steel	1.2 - 1.6	2	4	3.5	Steel	1	092-018693-00003		
6.7	Steel liner, steel	1.2 - 1.6	2	4	4.5	Steel	1	092-018693-00004		
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	3.5	CrNi	1	092-018696-00003		
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	4.5	CrNi	1	092-018696-00004		
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	3.5	CrNi	1	092-018694-00003		
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	4.5	CrNi	1	092-018694-00004		
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	5.5	CrNi	1	092-018694-00005		
6.7	Steel liner, brass	1.2 - 1.6	2	4	3.5	Brass	1	092-018697-00003		
6.7	Steel liner, brass	1.2 - 1.6	2	4	4.5	Brass	1	092-018697-00004		
6.8	Inlet guide, spiral	-	-	3.3	-	-	2	094-020159-00000		
6.8	Inlet guide, spiral	-	-	4	-	-	2	094-020069-00000		
8	Combined liner, PA	1.2 - 1.6	2	4	3.5	PA	1	092-018706-00003		
8	Combined liner, PA	1.2 - 1.6	2	4	4.5	PA	1	092-018706-00004		
8.1	Inlet guide, liner	-	-	-	-	-	2	094-014032-00001		

Product details

Tungsten electrodes

Consumables kits for TIG series

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TIG 450 CW/HW HFL

TIG 450

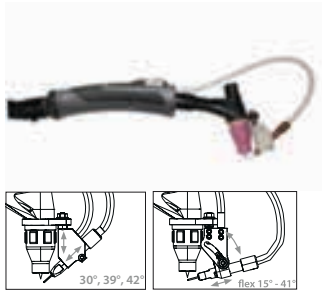
Equipment as supplied:

- Gas diffuser: Ø 3.2 mm
- Gas nozzle: Ø 10 mm, size 6
- Tungsten electrode E3 (purple): Ø 3.2 mm

- Setting of welding current and programs
- Ergonomic GRIP handle for a secure grip
- Highly flexible hose package with 1 m leather protector
- Delivered ready to weld ex works
- Replaceable steel liner
- 270° rotatable and replaceable wire feed
- Ceramic-coated wire support
- Three fixed wire feed angles: 30°, 39°, and 41°
- Flexible wire feed angle of 15°-41°

Duty cycle DC-	400 A / 100 %
Duty cycle AC	280 A / 100 %
Gas flow	10 l/min - 20 l/min
Connection	Burndy, 12-pole

TIG 450 GRIP WD CW U/D HFL

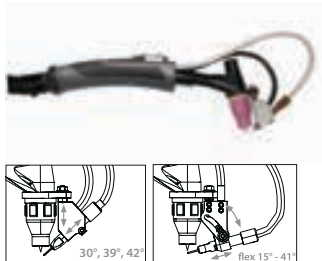


- Water cooled TIG welding torch with a separate cold wire feed
- Wire feed integrated into grip



Designation	Bend angle torch neck		Item no.		
		m			
TIG welding torch, cold wire, up/down	30 °	3	094-500091-10203		
		4	094-500091-10200		
	39 °	3	094-500092-10203		
		4	094-500092-10200		
	42 °	3	094-500093-10203		
		4	094-500093-10200		
	flex.	3	094-500094-10203		
		4	094-500094-10200		

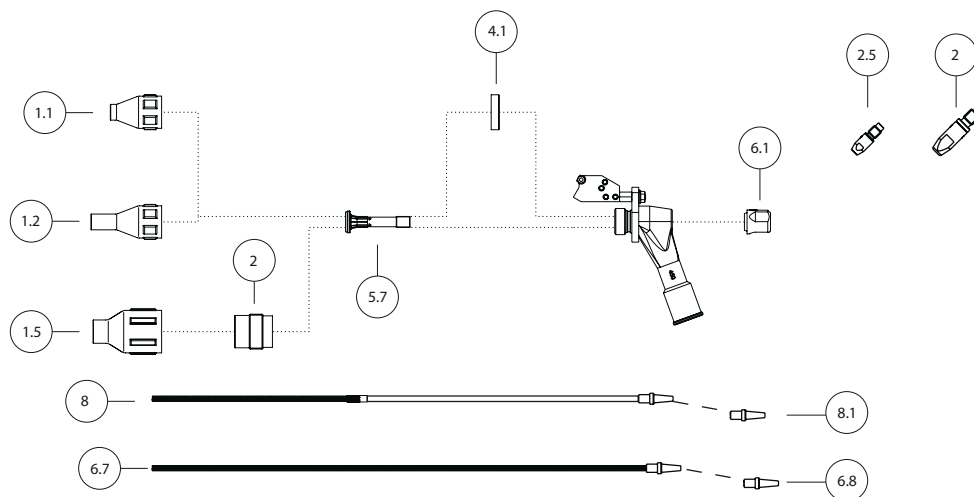
TIG 450 GRIP WD HW U/D HFL



- Water cooled TIG welding torch with a separate cold and hot wire feed
- Wire feed and hot wire power line integrated into grip



Designation	Bend angle torch neck		Item no.		
		m			
TIG welding torch, hot wire, up/down	30 °	3	094-500095-10203		
		4	094-500095-10200		
	39 °	3	094-500096-10203		
		4	094-500096-10200		
	42 °	3	094-500097-10203		
		4	094-500097-10200		
	flex.	3	094-500098-10203		
		4	094-500098-10200		



► You will find other spare parts in our spare parts catalogue.



■ Consumables

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Wire Ø	Threads	Length	Material	PU	Item no.		
			mm	mm	mm		mm		Pc.			
1.1	Gas nozzle	5	-	7.5	-	-	37	Ceramic	10	094-009646-00000		
1.1	Gas nozzle	6	-	10	-	-	37	Ceramic	10	094-009647-00000		
1.1	Gas nozzle	8	-	13	-	-	37	Ceramic	10	094-009648-00000		
1.1	Gas nozzle	10	-	15	-	-	37	Ceramic	10	094-009649-00000		
1.2	Gas nozzle	5	-	7.5	-	-	52	Ceramic	10	094-009650-00000		
1.2	Gas nozzle	6	-	10	-	-	52	Ceramic	10	094-009651-00000		
1.2	Gas nozzle	8	-	13	-	-	52	Ceramic	10	094-009653-00000		
1.2	Gas nozzle	10	-	15	-	-	52	Ceramic	10	094-009654-00000		
1.5	Gas nozzle for gas diffu- ser, JUMBO	12	-	12.5	-	-	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffu- ser, JUMBO	16	-	16	-	-	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffu- ser, JUMBO	20	-	19.5	-	-	50	Ceramic	10	094-009665-00000		
2	Contact tip	-	-	-	0.8	M6	28	CuCrZr	10	094-013071-00000		
2	Contact tip	-	-	-	0.9	M6	28	CuCrZr	10	094-013122-00000		
2	Contact tip	-	-	-	1	M6	28	CuCrZr	10	094-013072-00000		
2	Contact tip	-	-	-	1.2	M6	28	CuCrZr	10	094-014317-00000		
2	Gas diffuser, JUMBO	-	1.6	-	-	-	-	Brass	1	094-009658-00000		
2	Gas diffuser, JUMBO	-	2.4	-	-	-	-	Brass	1	094-009659-00000		
2	Gas diffuser, JUMBO	-	3.2	-	-	-	-	Brass	1	094-009660-00000		
2	Gas diffuser, JUMBO	-	4	-	-	-	-	Brass	1	094-009661-00000		
2.5	Contact tip	-	-	-	0.8	M5	19	CuCrZr	10	094-016775-00000		
2.5	Contact tip	-	-	-	1	M5	19	CuCrZr	10	094-016758-00000		
2.5	Contact tip	-	-	-	1.2	M5	19	CuCrZr	10	094-016776-00000		
4.1	Insulator	Standard	-	-	-	-	-	Teflon	10	094-011759-00000		
5.7	Gas diffuser	-	1.6	-	-	-	47	Brass	2	094-009640-00000		
5.7	Gas diffuser	-	2	-	-	-	47	Brass	2	094-009641-00000		
5.7	Gas diffuser	-	2.4	-	-	-	47	Brass	2	094-009642-00000		
5.7	Gas diffuser	-	3.2	-	-	-	47	Brass	2	094-009643-00000		
5.7	Gas diffuser	-	4	-	-	-	47	Brass	2	094-009644-00000		
6.1	Back cap	short	-	-	-	-	-	Plastic	5	094-010723-00000		

■ Liners

Item	Designation	Wire Ø	Inside Ø	Outside Ø	Length	Material	PU	Item no.		
		mm	mm	mm	m		Pc.			
6.7	Steel liner, steel	0.6 - 1	1.5	3.3	3.5	Steel	1	092-018695-00003		
6.7	Steel liner, steel	0.6 - 1	1.5	3.3	4.5	Steel	1	092-018695-00004		
6.7	Steel liner, steel	1.2 - 1.6	2	4	3.5	Steel	1	092-018693-00003		
6.7	Steel liner, steel	1.2 - 1.6	2	4	4.5	Steel	1	092-018693-00004		
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	3.5	CrNi	1	092-018696-00003		
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	4.5	CrNi	1	092-018696-00004		
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	3.5	CrNi	1	092-018694-00003		
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	4.5	CrNi	1	092-018694-00004		
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	5.5	CrNi	1	092-018694-00005		
6.7	Steel liner, brass	1.2 - 1.6	2	4	3.5	Brass	1	092-018697-00003		
6.7	Steel liner, brass	1.2 - 1.6	2	4	4.5	Brass	1	092-018697-00004		
6.8	Inlet guide, spiral	-	-	3.3	-	-	2	094-020159-00000		
6.8	Inlet guide, spiral	-	-	4	-	-	2	094-020069-00000		
8	Combined liner, PA	1.2 - 1.6	2	4	3.5	PA	1	092-018706-00003		
8	Combined liner, PA	1.2 - 1.6	2	4	4.5	PA	1	092-018706-00004		
8.1	Inlet guide, liner	-	-	-	-	-	2	094-014032-00001		

Product details

Tungsten electrodes

Consumables kits for TIG series

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Automated welding torches

■ TIG-MT 200G

Equipment as supplied:

- Gas diffuser: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 6

- 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

Duty cycle DC-	200 A / 60 %
Duty cycle AC	140 A / 60 %
Electrode Ø	1 mm - 4.8 mm

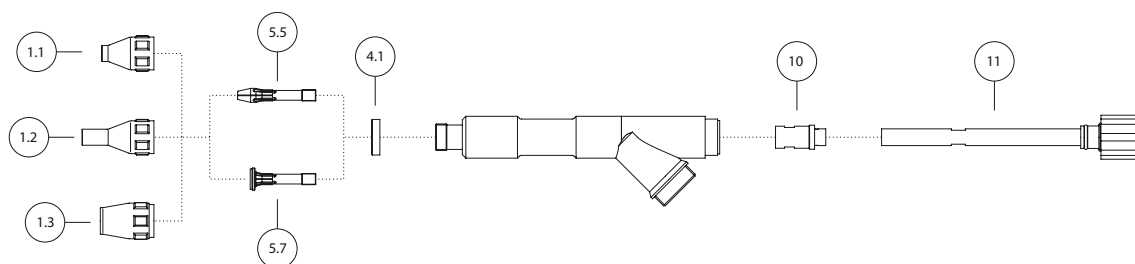
TIG-MT 200G



Designation		Item no.		
	m			
Automated TIG welding torch, gas-cooled	3	094-011708-00003		
	4	094-011708-00000		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Length	Material	PU	Item no.		
			mm	mm	mm		Pc.			
1.1	Gas nozzle	5	-	7.5	37	Ceramic	10	094-009646-00000		
1.1	Gas nozzle	6	-	10	37	Ceramic	10	094-009647-00000		
1.1	Gas nozzle	8	-	13	37	Ceramic	10	094-009648-00000		
1.1	Gas nozzle	10	-	15	37	Ceramic	10	094-009649-00000		
1.2	Gas nozzle	5	-	7.5	52	Ceramic	10	094-009650-00000		
1.2	Gas nozzle	6	-	10	52	Ceramic	10	094-009651-00000		
1.2	Gas nozzle	8	-	13	52	Ceramic	10	094-009653-00000		
1.2	Gas nozzle	10	-	15	52	Ceramic	10	094-009654-00000		
1.3	Gas nozzle, reinforced	8	-	13	38.4	Ceramic	10	094-011997-00000		
1.3	Gas nozzle, reinforced	12	-	15	38.4	Ceramic	10	094-011998-00000		
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011759-00000		
5.5	Electrode holders	-	1.6	-	56	Brass	5	094-009634-00000		
5.5	Electrode holders	-	2	-	56	Brass	5	094-009635-00000		
5.5	Electrode holders	-	2.4	-	56	Brass	5	094-009636-00000		
5.5	Electrode holders	-	3.2	-	56	Brass	5	094-009637-00000		
5.5	Electrode holders	-	4	-	56	Brass	5	094-009638-00000		
5.5	Electrode holders	-	4.8	-	56	Brass	5	094-009639-00000		
5.7	Gas diffuser	-	1.6	-	47	Brass	2	094-009640-00000		
5.7	Gas diffuser	-	2	-	47	Brass	2	094-009641-00000		
5.7	Gas diffuser	-	2.4	-	47	Brass	2	094-009642-00000		
5.7	Gas diffuser	-	3.2	-	47	Brass	2	094-009643-00000		
5.7	Gas diffuser	-	4	-	47	Brass	2	094-009644-00000		
5.7	Gas diffuser	-	4.8	-	47	Brass	2	094-009645-00000		
10	Mount for guide tube	-	-	-	-	-	1	094-020286-00000		
11	Guide tube	-	-	-	-	-	1	094-020285-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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MT-26



Type	Designation	Item no.
TH MT-26	Torch holder suitable for TIG-MT 200G/300W	094-013690-00000



Automated welding torches

TIG-MT 300W

Equipment as supplied:

- Gas diffuser: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 6

- 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
- Clamping diameter range 26 mm

Duty cycle DC-	300 A / 100 %
Duty cycle AC	210 A / 100 %
Electrode Ø	1.6 mm - 4.8 mm

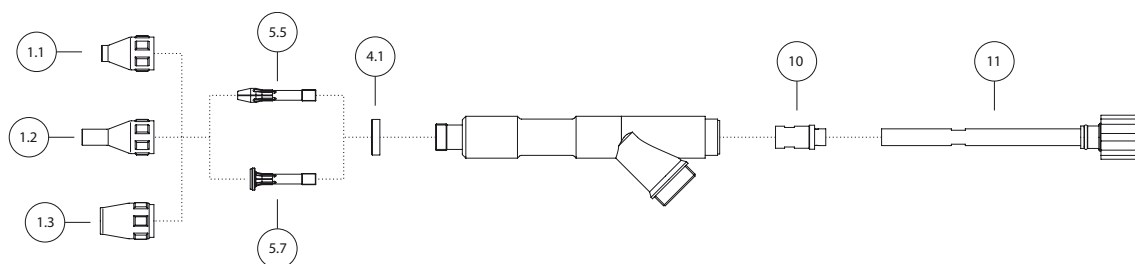
TIG-MT 300W



Designation		Item no.		
	m			
	3	094-011709-00000		
Automated TIG welding torch, water-cooled	4	094-011709-00004		
	8	094-011709-00008		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Length	Material	PU	Item no.		
			mm	mm	mm		Pc.			
1.1	Gas nozzle	5	-	7.5	37	Ceramic	10	094-009646-00000		
1.1	Gas nozzle	6	-	10	37	Ceramic	10	094-009647-00000		
1.1	Gas nozzle	8	-	13	37	Ceramic	10	094-009648-00000		
1.1	Gas nozzle	10	-	15	37	Ceramic	10	094-009649-00000		
1.2	Gas nozzle	5	-	7.5	52	Ceramic	10	094-009650-00000		
1.2	Gas nozzle	6	-	10	52	Ceramic	10	094-009651-00000		
1.2	Gas nozzle	8	-	13	52	Ceramic	10	094-009653-00000		
1.2	Gas nozzle	10	-	15	52	Ceramic	10	094-009654-00000		
1.3	Gas nozzle, reinforced	8	-	13	38.4	Ceramic	10	094-011997-00000		
1.3	Gas nozzle, reinforced	12	-	15	38.4	Ceramic	10	094-011998-00000		
4.1	Insulator	Standard	-	-	-	Teflon	10	094-011759-00000		
5.5	Electrode holders	-	1.6	-	56	Brass	5	094-009634-00000		
5.5	Electrode holders	-	2.4	-	56	Brass	5	094-009636-00000		
5.5	Electrode holders	-	3.2	-	56	Brass	5	094-009637-00000		
5.5	Electrode holders	-	4	-	56	Brass	5	094-009638-00000		
5.5	Electrode holders	-	4.8	-	56	Brass	5	094-009639-00000		
5.7	Gas diffuser	-	1.6	-	47	Brass	2	094-009640-00000		
5.7	Gas diffuser	-	2.4	-	47	Brass	2	094-009642-00000		
5.7	Gas diffuser	-	3.2	-	47	Brass	2	094-009643-00000		
5.7	Gas diffuser	-	4	-	47	Brass	2	094-009644-00000		
5.7	Gas diffuser	-	4.8	-	47	Brass	2	094-009645-00000		
10	Mount for guide tube	-	-	-	-	-	1	094-020286-00000		
11	Guide tube	-	-	-	-	-	1	094-020285-00000		

Product details

Tungsten electrodes

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Consumables kits for TIG series

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MT-26



Type	Designation	Item no.		
TH MT-26	Torch holder suitable for TIG-MT 200G/300W	094-013690-00000		



Automated welding torches

■ TIG-MT 500W

Equipment as supplied:

- Gas diffuser: Ø 3.2 mm
- Gas nozzle: Ø 12.5 mm, size 12

- 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
- Clamping diameter range 35 mm

Duty cycle DC-	500 A / 100 %
Duty cycle AC	350 A / 100 %
Electrode Ø	1.6 mm - 6.4 mm

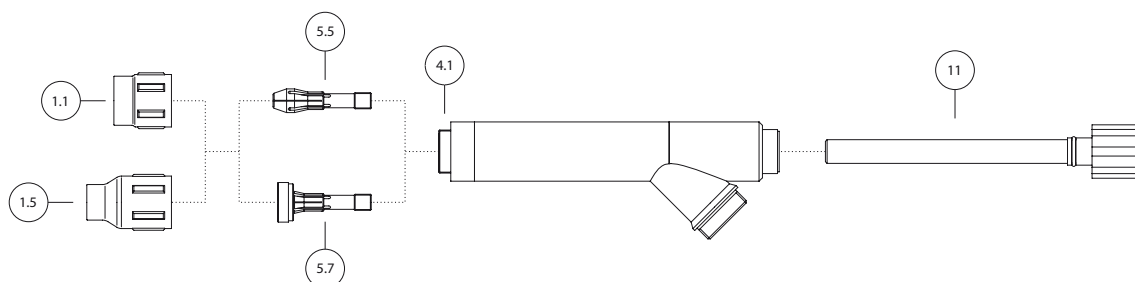
TIG-MT 500W



Designation		Item no.		
	m			
	3	094-013706-00003		
Automated TIG welding torch, water-cooled	4	094-013706-00000		
	8	094-013706-00008		



■ Consumables



► You will find other spare parts in our spare parts catalogue.

Item	Designation	Size	Electro- de Ø	Nozzle Ø	Length	Material	PU	Item no.		
			mm	mm	mm		Pc.			
1.1	Gas nozzle	24	-	24	34	Ceramic	10	094-011999-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	12	-	12.5	50	Ceramic	10	094-009663-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	16	-	16	50	Ceramic	10	094-009664-00000		
1.5	Gas nozzle for gas diffuser, JUMBO	20	-	19.5	50	Ceramic	10	094-009665-00000		
4	Insulator	-	-	-	-	-	1	094-017229-00000		
5.5	Electrode holders	-	1.6	-	-	-	1	094-017218-00000		
5.5	Electrode holders	-	2.4	-	-	-	1	094-017220-00000		
5.5	Electrode holders	-	3.2	-	-	-	1	094-017221-00000		
5.5	Electrode holders	-	4	-	-	-	1	094-017222-00000		
5.7	Gas diffuser	-	1.6	-	-	-	1	094-017223-00000		
5.7	Gas diffuser	-	2.4	-	-	-	1	094-017225-00000		
5.7	Gas diffuser	-	3.2	-	-	-	1	094-017226-00000		
5.7	Gas diffuser	-	4	-	-	-	1	094-017227-00000		
11	Guide tube	-	-	-	-	-	1	094-017217-00000		

Product details

Tungsten electrodes

Consumables kits for TIG series

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MT-35



Type	Designation	Item no.		
TH MT-35	Torch holder suitable for TIG-MT 500W	094-013868-00000		



TIG/plasma filler wire 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 number	Code	Description	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 number	Code	Description
A	0	Cold wire
B	0	T drive 4 Rob.2
C	0	Steel design
DD	30	3 metres
094-0020614- 00030		End number

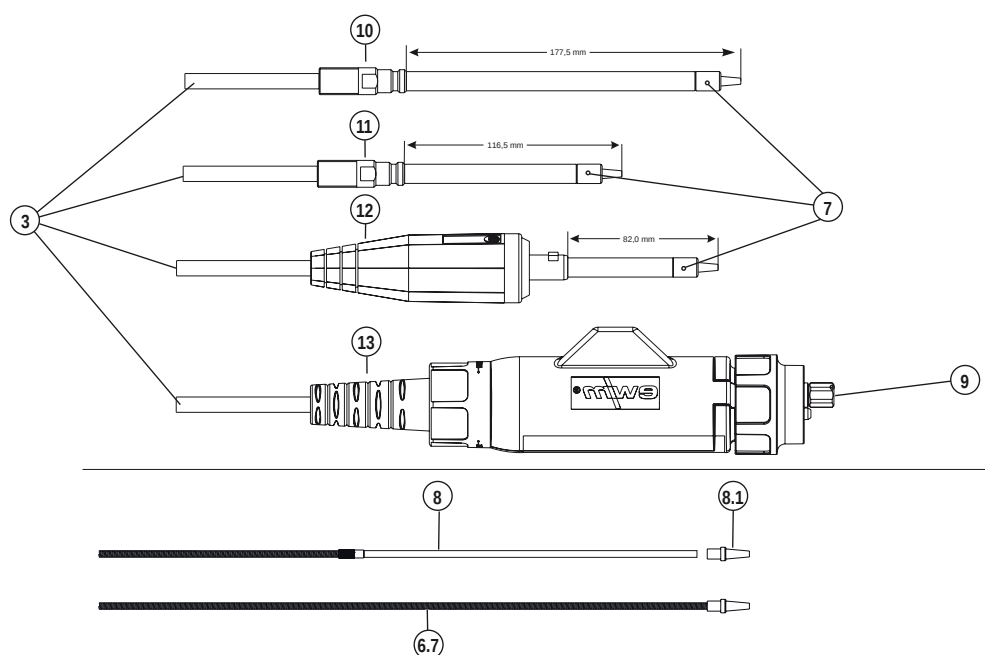
Hot wire support, T drive 4 Rob.3, stainless steel, 1.5 metres/092-020614-11115

Position in item number	Code	Description
A	1	Hot wire
B	1	T drive 4 Rob.3
C	1	Stainless steel design
DD	15	1.5 metres
094-020614 - 11115		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 feed individually adjustable for each process
- Compatible with EMW cold wire support
- The wire feed can be reduced to the required length

► Equipment parts, such as liners and inlet guides, are not part of the scope of supply and must be ordered based on the specific application!

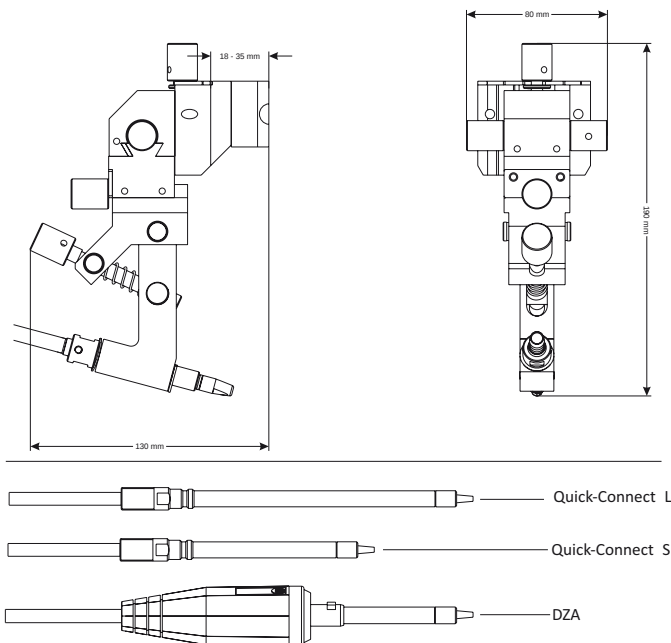
Order the right wire feed for the wire feeder used!

Item	Connection	Description	Length	Item no.
10	Quick Connect L	Cold wire feed, for T drive 4 Rob 2	4 m	094-020613-00000
11	Quick Connect S	Cold wire feed, for T drive 4 Rob 3		094-020613-00001
12	Dinse connector	Cold wire feed, for tigSpeed		094-020613-00002
13	Euro torch connector	Cold wire feed, Euro torch connector		094-020613-00003

■ Replacement parts

Item	Description	Wire Ø	Inside Ø	Outside Ø	Length	Material	Pr. U	VE	Item no.
		mm	mm	mm	m			Pc.	
3	Wire transport hose	-	-	-	50	-	per m.	1	094-017104-00000
6.7	Steel liner	-	1.5	3.3	3.5	Steel		1	092-018695-00003
6.7	Steel liner	-	1.5	3.3	4.5	Steel		1	092-018695-00004
6.7	Steel liner	-	2	4	3.5	Steel		1	092-018693-00003
6.7	Steel liner	-	2	4	4.5	Steel		1	092-018693-00004
6.7	Steel liner, stainless steel	-	1.5	3.3	3.5	CrNi		1	092-018696-00003
6.7	Steel liner, stainless steel	-	1.5	3.3	4.5	CrNi		1	092-018696-00004
6.7	Steel liner, stainless steel	-	2	4	3.5	CrNi		1	092-018694-00003
6.7	Steel liner, stainless steel	-	2	4	4.5	CrNi		1	092-018694-00004
6.7	Steel liner, brass	-	2	4	3.5	Brass		1	092-018697-00003
6.7	Steel liner, brass	-	2	4	4.5	Brass		1	092-018697-00004
7	Crown nut	-	-	-	-	-		10	094-015563-00001
8	Combined liner, PA	1.2-1.6	2	4	3.5	PA		1	092-018706-00003
8	Combined liner, PA	1.2-1.6	2	4	4.5	PA		1	092-018706-00004
8	Combined liner, Teflon	0.8-1.2	1.5	4	3	Teflon		1	094-013800-00000
8	Combined liner, Teflon	0.8-1.2	1.5	4	4	Teflon	per pc.	1	094-013800-00004
8	Combined liner, Teflon	0.8-1.2	1.5	4	5	Teflon		1	094-013800-00005
8	Carbon Teflon liner	1-1.2	2	4	3	Teflon		1	094-013801-00000
8	Combined liner, Teflon	1-1.2	2	4	4	Teflon		1	094-013801-00004
8	Combined liner, carbon Teflon	0.8-1.2	1.5	4	3	Carbon Teflon		1	094-013871-00000
8	Combined liner, carbon Teflon	0.8-1.2	1.5	4	4	Carbon Teflon		1	094-013871-00004
8	Combined liner, carbon Teflon	1.2-1.6	2	4	3	Carbon Teflon		1	094-013828-00000
8	Combined liner, carbon Teflon	1.2-1.6	2	4	4	Carbon Teflon		1	094-013828-00004
8.1	Inlet guide, liner	-	-	-	-	-		2	094-014032-00001
9	Hexagonal nut	-	-	-	-	-		10	094-001080-00000

AW Support cold wire



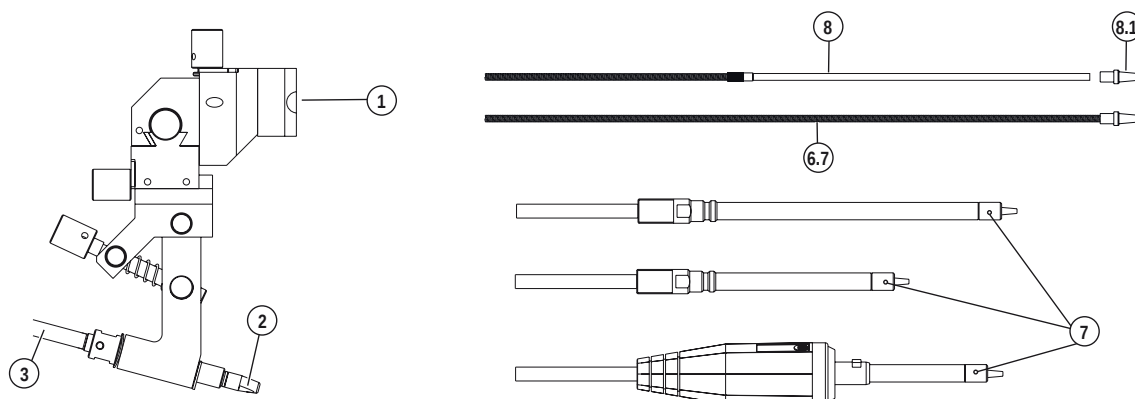
Wire feed for automated cold wire applications (TIG/plasma)

- Versatile, yet delivers optimised welding results
- XYZ axes and adjustment angle infinitely lockable and adjustable
- Insulated design (HF safe)
- Wire feed individually adjustable for each process
- Rapid, straightforward assembly
- Contact tip also compatible with EWM manual welding torches
- May be used with virtually all common TIG automated welding torches
- Clamping range from 18 mm to 35 mm
- Adjustable on four axes:
 - Up/down
 - Forwards/backwards
 - Left/right
 - Angle
- Compatible with all torches in the TIG-MT series

Type	Designation	Item no.
AWS CW 1,5 m DZA		094-020614-02015
AWS CW 3,0 m DZA		094-020614-02030
AWS CW 4,0 m DZA		094-020614-02040
AWS CW 1,5 m DZA Alu	4 axes support, cold wire, insulated setup, for Tetrix drive 4L/tigSpeed drive 45	094-020614-02215
AWS CW 3,0 m DZA Alu		094-020614-02230
AWS CW 4,0 m DZA Alu		094-020614-02240
AWS CW 1,5 m DZA CrNi		094-020614-02115
AWS CW 3,0 m DZA CrNi		094-020614-02130
AWS CW 4,0 m DZA CrNi		094-020614-02140
AWS CW 1,5 m Quick-Connect L		094-020614-00015
AWS CW 3,0 m Quick-Connect L		094-020614-00030
AWS CW 4,0 m Quick-Connect L		094-020614-00040
AWS CW 1,5 m Quick-Connect L Alu		094-020614-00215
AWS CW 3,0 m Quick-Connect L Alu		094-020614-00230
AWS CW 4,0 m Quick-Connect L Alu	4 axes support, cold wire, insulated setup, for T drive 4 Rob.2	094-020614-00240
AWS CW 1,5 m Quick-Connect L CrNi		094-020614-00115
AWS CW 3,0 m Quick-Connect L CrNi		094-020614-00130
AWS CW 4,0 m Quick-Connect L CrNi		094-020614-00140
AWS CW 1,5 m Quick-Connect S		094-020614-01015
AWS CW 3,0 m Quick-Connect S		094-020614-01030
AWS CW 4,0 m Quick-Connect S		094-020614-01040
AWS CW 1,5 m Quick-Connect S Alu		094-020614-01215
AWS CW 3,0 m Quick-Connect S Alu		094-020614-01230
AWS CW 4,0 m Quick-Connect S Alu	4 axes support, cold wire, insulated setup, for T drive 4 Rob.3	094-020614-01240
AWS CW 1,5 m Quick-Connect S CrNi		094-020614-01115
AWS CW 3,0 m Quick-Connect S CrNi		094-020614-01130
AWS CW 4,0 m Quick-Connect S CrNi		094-020614-01140

Please order torch holder 094-013691-00000 separately

Consumables



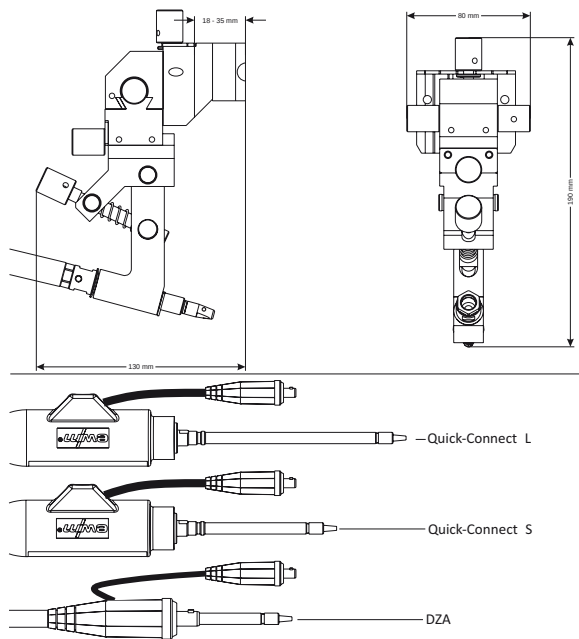
► Please note: Equipment parts, such as liners and inlet guides, are not part of the scope of supply and must be ordered based on the specific application! Order the right wire feed for the wire feeder used!

Item	Designation	Wire Ø mm	Threads	Length mm	Material	PU Pc.	Item no.
1	4 axes support, insulated setup	-	-	-	-	1	092-007868-00000
2	Contact tip	0.8	M7	30	CuCrZr	10	094-013535-00000
2	Contact tip	0.9	M7	30	CuCrZr	10	094-013536-00000
2	Contact tip	1	M7	30	CuCrZr	10	094-013537-00000
2	Contact tip	1.2	M7	30	CuCrZr	10	094-013538-00000
2	Contact tip, aluminium welding	0.8	M7	30	E-Cu	10	094-013550-00000
2	Contact tip, aluminium welding	0.9	M7	30	E-Cu	10	094-013551-00000
2	Contact tip, aluminium welding	1	M7	30	E-Cu	10	094-013552-00000
2	Contact tip, aluminium welding	1.2	M7	30	E-Cu	10	094-013553-00000
7	Crown nut	-	-	-	-	10	094-015563-00001

Liners

Item	Designation	Wire Ø mm	Inside Ø mm	Outside Ø mm	Length m	Material	Pr U	PU Pc.	Item no.
3	Wire transport hose	-	-	-	50	-	per m.	50	094-017104-00000
6.7	Steel liner, steel	0.6 - 1	1.5	3.3	3.5	Steel		1	092-018695-00003
6.7	Steel liner, steel	0.6 - 1	1.5	3.3	4.5	Steel		1	092-018695-00004
6.7	Steel liner, steel	1.2 - 1.6	2	4	3.5	Steel		1	092-018693-00003
6.7	Steel liner, steel	1.2 - 1.6	2	4	4.5	Steel		1	092-018693-00004
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	3.5	CrNi		1	092-018696-00003
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	4.5	CrNi		1	092-018696-00004
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	3.5	CrNi		1	092-018694-00003
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	4.5	CrNi		1	092-018694-00004
6.7	Steel liner, brass	1.2 - 1.6	2	4	3.5	Brass		1	092-018697-00003
6.7	Steel liner, brass	1.2 - 1.6	2	4	4.5	Brass		1	092-018697-00004
8	Combined liner, PA	1.2 - 1.6	2	4	3.5	PA		1	092-018706-00003
8	Combined liner, PA	1.2 - 1.6	2	4	4.5	PA		1	092-018706-00004
8	Combined liner, Teflon	0.6 - 1	1.5	4	3	Teflon	per pc.	1	094-013800-00000
8	Combined liner, Teflon	0.6 - 1	1.5	4	4	Teflon		1	094-013800-00004
8	Combined liner, Teflon	0.6 - 1	1.5	4	5	Teflon		1	094-013800-00005
8	Combined liner, Teflon	1.2 - 1.6	2	4	3	Teflon		1	094-013801-00000
8	Combined liner, Teflon	1.2 - 1.6	2	4	4	Teflon		1	094-013801-00004
8	Combined liner, carbon Teflon	0.6 - 1	1.5	4	3	Carbon teflon		1	094-013871-00000
8	Combined liner, carbon Teflon	0.6 - 1	1.5	4	4	Carbon teflon		1	094-013871-00004
8	Combined liner, carbon Teflon	1.2 - 1.6	2	4	3	Carbon teflon		1	094-013828-00000
8	Combined liner, carbon Teflon	1.2 - 1.6	2	4	4	Carbon teflon		1	094-013828-00004
8.1	Inlet guide, liner	-	-	-	-	-		2	094-014032-00001

AW support hot wire

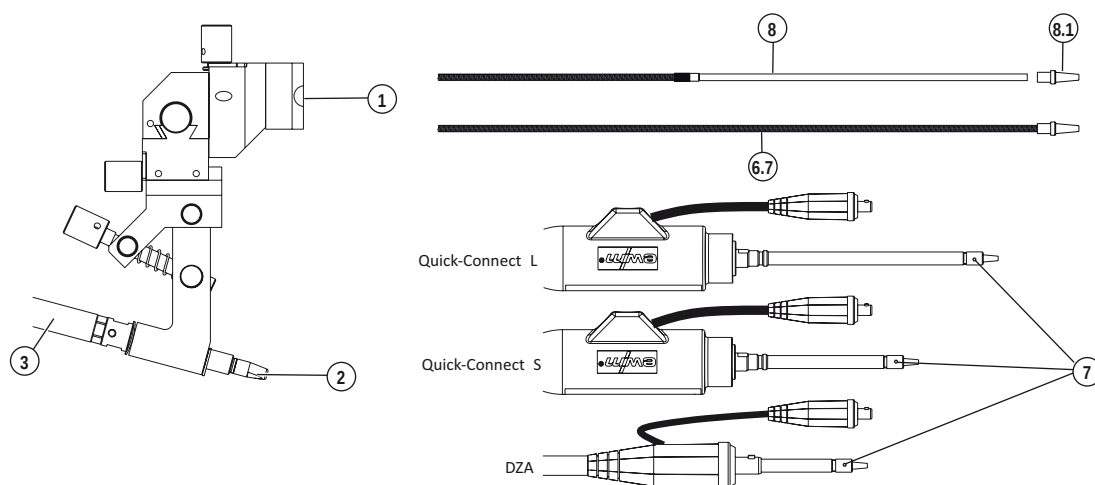


Wire feed for automated hot wire applications (TIG)

- Versatile, yet delivers optimised welding results
- XYZ axes and adjustment angle infinitely lockable and adjustable
- Insulated design (HF safe)
- Wire feed individually adjustable for each process
- Rapid, straightforward assembly
- Contact tip also compatible with EWM manual welding torches
- May be used with virtually all common TIG automated welding torches, as well as with all EWM TIG automated welding torches
- Adjustable on four axes:
 - Up/down
 - Forwards/backwards
 - Left/right
 - Angle
- Compatible with all torches in the TIG-MT series

Type	Designation	Item no.
AWS HW 1,5 m DZA	4 axes support, hot wire, insulated setup, for Tetrix drive 4L/tigSpeed drive 45	094-020614-12015
AWS HW 3,0 m DZA		094-020614-12030
AWS HW 4,0 m DZA		094-020614-12040
AWS HW 1,5 m DZA Alu		094-020614-12215
AWS HW 3,0 m DZA Alu		094-020614-12230
AWS HW 4,0 m DZA Alu		094-020614-12240
AWS HW 1,5 m DZA CrNi		094-020614-12115
AWS HW 3,0 m DZA CrNi		094-020614-12130
AWS HW 4,0 m DZA CrNi		094-020614-12140
AWS HW 1,5 m Quick-Connect L		094-020614-10015
AWS HW 3,0 m Quick-Connect L	4 axes support, hot wire, insulated setup, for T drive 4 Rob.2	094-020614-10030
AWS HW 4,0 m Quick-Connect L		094-020614-10040
AWS HW 1,5 m Quick-Connect L Alu		094-020614-10215
AWS HW 3,0 m Quick-Connect L Alu		094-020614-10230
AWS HW 4,0 m Quick-Connect L Alu		094-020614-10240
AWS HW 1,5 m Quick-Connect L CrNi		094-020614-10115
AWS HW 3,0 m Quick-Connect L CrNi		094-020614-10130
AWS HW 4,0 m Quick-Connect L CrNi		094-020614-10140
AWS HW 1,5 m Quick-Connect S	4 axes support, hot wire, insulated setup, for T drive 4 Rob.3	094-020614-11015
AWS HW 3,0 m Quick-Connect S		094-020614-11030
AWS HW 4,0 m Quick-Connect S		094-020614-11040
AWS HW 1,5 m Quick-Connect S Alu		094-020614-11215
AWS HW 3,0 m Quick-Connect S Alu		094-020614-11230
AWS HW 4,0 m Quick-Connect S Alu		094-020614-11240
AWS HW 1,5 m Quick-Connect S CrNi		094-020614-11115
AWS HW 3,0 m Quick-Connect S CrNi		094-020614-11130
AWS HW 4,0 m Quick-Connect S CrNi		094-020614-11140

■ Consumables



► Please note: Equipment parts, such as liners and inlet guides, are not part of the scope of supply and must be ordered based on the specific application!

Order the right wire feed for the wire feeder used!

Item	Designation	Wire Ø mm	Threads	Length	Material	PU Pc.	Item no.		
1	4 axes support, insulated setup	-	-	-	-	1	092-007868-00000		
2	Contact tip	0.8	M7	30 mm	CuCrZr	10	094-013535-00000		
2	Contact tip	0.9	M7	30 mm	CuCrZr	10	094-013536-00000		
2	Contact tip	1	M7	30 mm	CuCrZr	10	094-013537-00000		
2	Contact tip	1.2	M7	30 mm	CuCrZr	10	094-013538-00000		
2	Contact tip, aluminium welding	0.8	M7	30 mm	E-Cu	10	094-013550-00000		
2	Contact tip, aluminium welding	0.9	M7	30 mm	E-Cu	10	094-013551-00000		
2	Contact tip, aluminium welding	1	M7	30 mm	E-Cu	10	094-013552-00000		
2	Contact tip, aluminium welding	1.2	M7	30 mm	E-Cu	10	094-013553-00000		
3	Coaxial cable	-	-	1.5 m	-	1	094-016625-00015		
3	Coaxial cable	-	-	3 m	-	1	094-016625-00000		
3	Coaxial cable	-	-	4 m	-	1	094-016625-00004		
7	Crown nut	-	-	-	-	10	094-015563-00001		

■ Liners

Item	Designation	Wire Ø mm	Inside Ø mm	Outside Ø mm	Length m	Material	PU Pc.	Item no.		
6.7	Steel liner, steel	0.6 - 1	1.5	3.3	3.5	Steel	1	092-018695-00003		
6.7	Steel liner, steel	0.6 - 1	1.5	3.3	4.5	Steel	1	092-018695-00004		
6.7	Steel liner, steel	1.2 - 1.6	2	4	3.5	Steel	1	092-018693-00003		
6.7	Steel liner, steel	1.2 - 1.6	2	4	4.5	Steel	1	092-018693-00004		
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	3.5	CrNi	1	092-018696-00003		
6.7	Steel liner, stainless steel	0.6 - 1	1.5	3.3	4.5	CrNi	1	092-018696-00004		
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	3.5	CrNi	1	092-018694-00003		
6.7	Steel liner, stainless steel	1.2 - 1.6	2	4	4.5	CrNi	1	092-018694-00004		
6.7	Steel liner, brass	1.2 - 1.6	2	4	3.5	Brass	1	092-018697-00003		
6.7	Steel liner, brass	1.2 - 1.6	2	4	4.5	Brass	1	092-018697-00004		
8	Combined liner, PA	1.2 - 1.6	2	4	4.5	PA	1	092-018706-00003		
8	Combined liner, PA	1.2 - 1.6	2	4	4.5	PA	1	092-018706-00004		
8	Combined liner, Teflon	0.6 - 1	1.5	4	3	Teflon	1	094-013800-00000		
8	Combined liner, Teflon	0.6 - 1	1.5	4	4	Teflon	1	094-013800-00004		
8	Combined liner, Teflon	0.6 - 1	1.5	4	5	Teflon	1	094-013800-00005		
8	Combined liner, Teflon	1.2 - 1.6	2	4	3	Teflon	1	094-013801-00000		
8	Combined liner, Teflon	1.2 - 1.6	2	4	4	Teflon	1	094-013801-00004		
8	Combined liner, carbon Teflon	0.6 - 1	1.5	4	3	Carbon teflon	1	094-013871-00000		
8	Combined liner, carbon Teflon	0.6 - 1	1.5	4	4	Carbon teflon	1	094-013871-00004		
8	Combined liner, carbon Teflon	1.2 - 1.6	2	4	3	Carbon teflon	1	094-013828-00000		
8	Combined liner, carbon Teflon	1.2 - 1.6	2	4	4	Carbon teflon	1	094-013828-00004		
8.1	Inlet guide, liner	-	-	-	-	-	2	094-014032-00001		



Overview

Plasma welding torches			Page
Plasma welding torches	Plasma	PHB 50	208
		PWH 100	209
		PWH 150	210
		PWH 250 HS	211



PHB 50

PHB 50



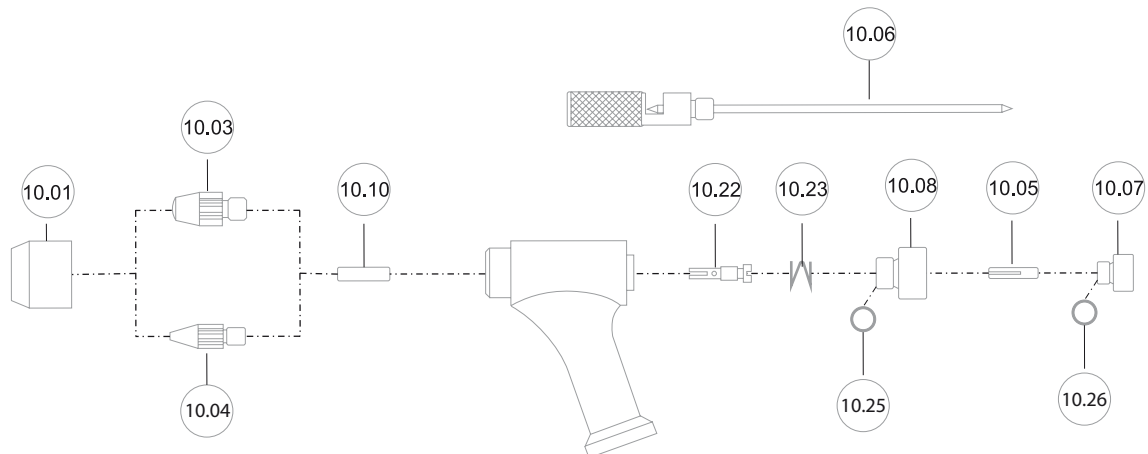
- Water-cooled plasma welding torch
- Low gas consumption with perfect shielding gas coverage thanks to optimal gas lens alignment
- Compact torch design and small torch head diameter for optimal handling with the best possible performance

Connection

Tuchel, 5-pole

Designation	Equipment as supplied:	 m	Item no.		
Plasma manual welding torch, 20 A	• Gas nozzle: Ø 9,5 mm • Plasma nozzle Ø 0,8 mm • Insert tube / Electrode guide insert: Ø 1,0 mm • Collet body Ø 1,0 mm • Tungsten electrode, special Ø 1,0 mm		094-002025-00000		
Plasma manual welding torch, 50 A	• Gas nozzle: Ø 11 mm • Plasma nozzle Ø 1,2 mm • Insert tube / Electrode guide insert: Ø 1,5 mm • Collet body Ø 1,5 mm • Tungsten electrode, special Ø 1,5 mm	3	094-002293-00000		

Consumables



Item	Designation	Electrode Ø mm	Nozzle Ø mm	Length mm	Material	Max. welding current A	PU Unit	Item no.		
10.01	Special gas nozzle	-	9.5	-	Ceramic	-	1	094-002028-00000		
10.01	Special gas nozzle	-	11	-	Ceramic	-	1	094-002027-00000		
10.03	Plasma nozzle	-	0.6	-	-	6	1	094-002029-00000		
10.03	Plasma nozzle	-	0.8	-	-	12	1	094-002030-00000		
10.03	Plasma nozzle	-	1	-	-	18	1	094-002031-00000		
10.03	Plasma nozzle	-	1.2	-	-	26	1	094-002032-00000		
10.03	Plasma nozzle	-	1.4	-	-	32	1	094-002033-00000		
10.03	Plasma nozzle	-	1.6	-	-	40	1	094-002034-00000		
10.03	Plasma nozzle	-	1.8	-	-	50	1	094-002035-00000		
10.04	Plasma nozzle, pointed	-	0.6	-	-	6	1	094-002036-00000		
10.04	Plasma nozzle, pointed	-	0.8	-	-	12	1	094-002037-00000		
10.04	Plasma nozzle, pointed	-	1	-	-	18	1	094-002038-00000		
10.04	Plasma nozzle, pointed	-	1.2	-	-	26	1	094-002039-00000		
10.05	Collet chuck	1	-	-	-	-	1	094-002043-00000		
10.05	Collet chuck	1.5	-	-	-	-	1	094-002044-00000		
10.06	Tungsten electrode, special	1	-	62	-	-	10	094-002047-00000		
10.06	Tungsten electrode, special	1.5	-	62	-	-	10	094-002048-00000		
10.07	Back cap	-	-	-	-	-	1	094-002046-00000		
10.08	Collet body	-	-	-	-	-	1	094-002042-00000		
10.10	Insert tube, ceramic	1	-	-	-	-	1	094-002051-00000		
10.10	Insert tube, ceramic	1.5	-	-	-	-	1	094-002052-00000		
10.22	Electrode guide insert	1	-	-	-	-	1	094-002049-00000		
10.22	Electrode guide insert	1.5	-	-	-	-	1	094-002050-00000		
10.23	Compensating spring	-	-	-	-	-	10	094-002040-00000		
10.25	O-ring	1.5	-	-	-	-	10	094-002041-00000		
10.26	O-ring	1	-	-	-	-	10	094-002045-00000		
-	Electrode setting gauge	-	-	-	-	-	1	094-002053-00000		

Consumables kits

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PWH 100

PWH 100

Equipment as supplied:

- Gas nozzle: Ø 13,5 mm
- Plasma nozzle Ø 1,4 mm
- Gas lens, fine-pore
- Gas guide insert Ø 1,5 mm
- Collet body Ø 1,5 mm
- Tungsten electrode, special Ø 1,5 mm

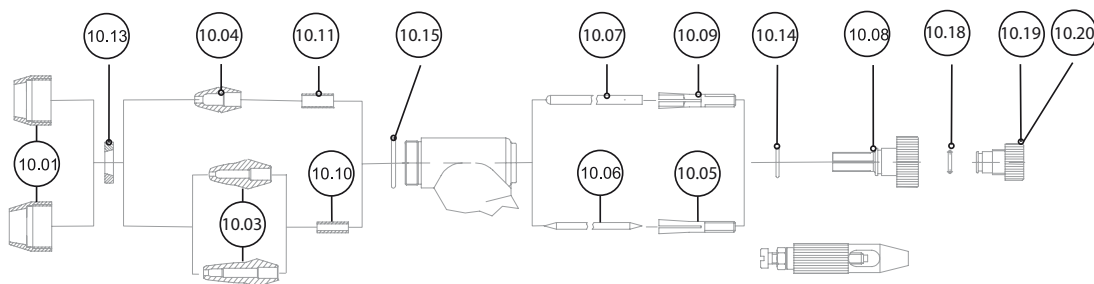


- Water-cooled plasma welding torch
- Greater load capacity of the plasma nozzles thanks to optimised cooling system
- Reduced operating costs, long service life of the plasma nozzles thanks to large, threadless retainer cone in the torch body and additional heat dissipation by means of the gas lens on the plasma nozzle
- Compact torch design and small torch head diameter for optimal handling with the best possible performance

Duty cycle DC-	100 A / 100 %
Duty cycle AC	80 A / 100 %
Duty cycle DC+	35 A / 100 %

Type	Designation	Item no.		
PWH 100 3 M	Plasma manual welding torches	094-008232-00000		

Consumables



Item	Designation	Electro- de Ø	Nozzle Ø	Length	Max. welding current	PU	Item no.		
		mm	mm	mm	A	Unit			
10.01	Gas nozzle, long	-	9.5	-	-	1	094-008240-00000		
10.01	Gas nozzle, long	-	11	-	-	1	094-008239-00000		
10.01	Gas nozzle, short	-	11	-	-	1	094-008237-00000		
10.01	Gas nozzle, short	-	12	-	-	1	094-008238-00000		
10.03	Plasma nozzle	-	0.8	-	20	1	094-008243-00000		
10.03	Plasma nozzle	-	1	-	25	1	094-008244-00000		
10.03	Plasma nozzle	-	1.2	-	30	1	094-008245-00000		
10.03	Plasma nozzle	-	1.4	-	40	1	094-008246-00000		
10.03	Plasma nozzle	-	1.6	-	50	1	094-008247-00000		
10.03	Plasma nozzle	-	1.8	-	60	1	094-008248-00000		
10.03	Plasma nozzle	-	2	-	70	1	094-008249-00000		
10.03	Plasma nozzle	-	2.4	-	90	1	094-008250-00000		
10.03	Plasma nozzle	-	3	-	100	1	094-008251-00000		
10.03	Plasma nozzle, long	-	0.8	-	20	1	094-008252-00000		
10.03	Plasma nozzle, long	-	1	-	25	1	094-008253-00000		
10.03	Plasma nozzle, long	-	1.2	-	30	1	094-008254-00000		
10.03	Plasma nozzle, long	-	1.4	-	40	1	094-008255-00000		
10.03	Plasma nozzle, long	-	1.6	-	45	1	094-008256-00000		
10.03	Plasma nozzle, long	-	1.8	-	50	1	094-008257-00000		
10.03	Plasma nozzle, long	-	2	-	60	1	094-008258-00000		
10.03	Plasma nozzle, long	-	3	-	90	1	094-008260-00000		
10.04	Plasma nozzle, positive terminal	-	1.2	-	-	1	094-008264-00000		
10.04	Plasma nozzle, positive terminal	-	1.6	-	-	1	094-008265-00000		
10.04	Plasma nozzle, positive terminal	-	2	-	-	1	094-008266-00000		
10.04	Plasma nozzle, positive terminal	-	2.4	-	-	1	094-008267-00000		
10.05	Collet chuck	1.5	-	-	-	1	094-008235-00000		
10.05	Collet chuck	2.4	-	-	-	1	094-008277-00000		
10.06	Tungsten electrode, special	1.5	-	75	-	1	094-008951-00000		
10.06	Tungsten electrode, special	2.4	-	75	-	1	094-008789-00000		
10.06	Tungsten electrode, special	3.2	-	75	-	1	094-008952-00000		
10.07	Tungsten electrode, special	3.2	-	30	-	1	094-008268-00000		
10.08	Collet casing	-	-	-	-	1	094-008276-00000		
10.09	Collet chuck	3.2	-	-	-	1	094-008278-00000		
10.10	Gas guide insert	1.5	-	-	-	1	094-008241-00000		
10.10	Gas guide insert	2.4	-	-	-	1	094-008787-00000		
10.11	Gas guide insert	3.2	-	-	-	1	094-008280-00000		
10.13	Gas lens, coarse-pored	-	-	-	-	1	094-008281-00000		
10.13	Gas lens, fine-pore	-	-	-	-	1	094-008242-00000		
10.14	O-ring for back cap	-	-	-	-	10	094-008234-00000		
10.15	O-ring for gas nozzle	-	-	-	-	10	094-008236-00000		
10.18	O-ring for back cap	-	-	-	-	10	094-008233-00000		
10.19	Back cap, complete	-	-	-	-	1	094-008274-00000		
10.20	Conical nipple for back cap	-	-	-	-	1	094-008263-00000		
-	Electrode setting gauge	-	-	-	-	1	094-008262-00000		

Consumables kits

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**PWH 150****PWH 150**

Equipment as supplied:

- Gas nozzle: Ø 13,5 mm
- Plasma nozzle Ø 2,4 mm
- Gas lens, fine-pore
- Gas guide insert Ø 2,4 mm
- Clamping module Ø 2,4 mm
- Tungsten electrode, Ø 2,4 mm



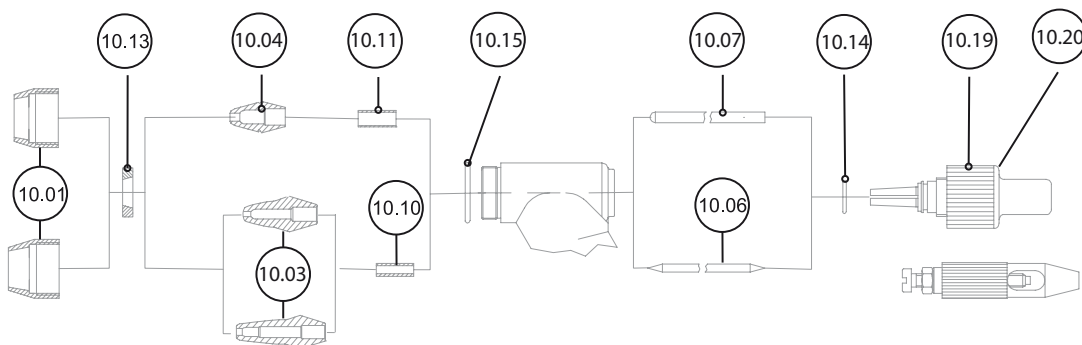
- Water-cooled plasma welding torch
- Greater load capacity of the plasma nozzles thanks to optimised cooling system
- Reduced operating costs, long service life of the plasma nozzles thanks to large, threadless retainer cone in the torch body and additional heat dissipation by means of the gas lens on the plasma nozzle
- Compact torch design and small torch head diameter for optimal handling with the best possible performance

Duty cycle DC-	150 A / 100 %
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Duty cycle AC	120 A / 100 %
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Duty cycle DC+	50 A / 100 %
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Type	Designation	Item no.
PWH	Plasma manual welding torches	094-008783-00000
150 4 M		

Consumables

Item	Designation	Electro- de Ø	Nozzle Ø	Length	Max. welding current	PU	Item no.
		mm	mm	mm	A	Unit	
10.01	Gas nozzle, long	-	9.5	-	-	1	094-008240-00000
10.01	Gas nozzle, long	-	11	-	-	1	094-008239-00000
10.01	Gas nozzle, short	-	11	-	-	1	094-008237-00000
10.01	Gas nozzle, short	-	12	-	-	1	094-008238-00000
10.03	Plasma nozzle	-	0.8	-	20	1	094-008243-00000
10.03	Plasma nozzle	-	1	-	25	1	094-008244-00000
10.03	Plasma nozzle	-	1.2	-	30	1	094-008245-00000
10.03	Plasma nozzle	-	1.4	-	40	1	094-008246-00000
10.03	Plasma nozzle	-	1.6	-	50	1	094-008247-00000
10.03	Plasma nozzle	-	1.8	-	60	1	094-008248-00000
10.03	Plasma nozzle	-	2	-	70	1	094-008249-00000
10.03	Plasma nozzle	-	2.4	-	90	1	094-008250-00000
10.03	Plasma nozzle	-	3	-	100	1	094-008251-00000
10.03	Plasma nozzle, long	-	0.8	-	20	1	094-008252-00000
10.03	Plasma nozzle, long	-	1	-	25	1	094-008253-00000
10.03	Plasma nozzle, long	-	1.2	-	30	1	094-008254-00000
10.03	Plasma nozzle, long	-	1.4	-	40	1	094-008255-00000
10.03	Plasma nozzle, long	-	1.6	-	45	1	094-008256-00000
10.03	Plasma nozzle, long	-	1.8	-	50	1	094-008257-00000
10.03	Plasma nozzle, long	-	2	-	60	1	094-008258-00000
10.03	Plasma nozzle, long	-	3	-	90	1	094-008260-00000
10.04	Plasma nozzle, positive terminal	-	1.2	-	-	1	094-008264-00000
10.04	Plasma nozzle, positive terminal	-	1.6	-	-	1	094-008265-00000
10.04	Plasma nozzle, positive terminal	-	2	-	-	1	094-008266-00000
10.04	Plasma nozzle, positive terminal	-	2.4	-	-	1	094-008267-00000
10.06	Tungsten electrode, special	1.5	-	75	-	1	094-008951-00000
10.06	Tungsten electrode, special	2.4	-	75	-	1	094-008789-00000
10.06	Tungsten electrode, special	3.2	-	75	-	1	094-008952-00000
10.07	Tungsten electrode, special	3.2	-	30	-	1	094-008268-00000
10.10	Gas guide insert	1.5	-	-	-	1	094-008241-00000
10.10	Gas guide insert	2.4	-	-	-	1	094-008787-00000
10.11	Gas guide insert	3.2	-	-	-	1	094-008280-00000
10.13	Gas lens, coarse-pored	-	-	-	-	1	094-008281-00000
10.13	Gas lens, fine-pore	-	-	-	-	1	094-008242-00000
10.14	O-ring for back cap	-	-	-	-	10	094-008234-00000
10.15	O-ring for gas nozzle	-	-	-	-	10	094-008236-00000
10.19	Clamping module	1.5	-	-	-	1	094-008557-00000
10.19	Clamping module	2.4	-	-	-	1	094-009398-00000
10.19	Clamping module	3.2	-	-	-	1	094-009399-00000
10.20	Conical nipple for back cap	-	-	-	-	1	094-008263-00000
-	Electrode setting gauge	-	-	-	-	1	094-008262-00000

Consumables kits

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PWH 250 HS

PWH 250

Equipment as supplied:

- Gas nozzle: Ø 13,5 mm
- Plasma nozzle Ø 2,4 mm
- Gas lens
- Gas guide insert Ø 2,4 mm
- Clamping module Ø 2,4 mm
- Tungsten electrode, Ø 2,4 mm

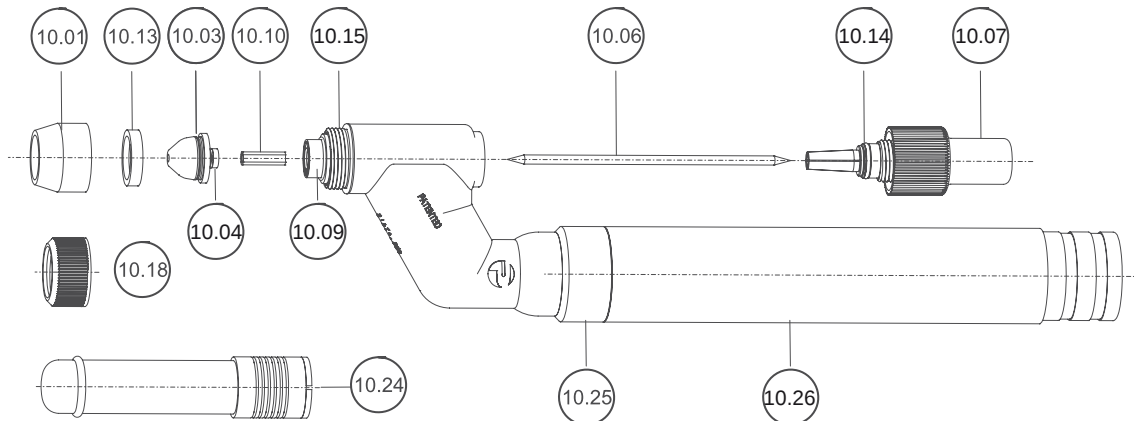
- Water-cooled plasma welding torch
- Compact torch design and small torch head diameter for optimal handling with the best possible performance

Duty cycle DC-

250 A / 100 %

Designation	m	Item no.		
Plasma manual welding torches	4	094-019223-00000		
	8	094-019223-00008		

Consumables



Item	Designation	Electro- de Ø mm	Nozzle Ø mm	Length mm	PU Unit	Item no.		
10.01	Gas nozzle, short	-	11	-	1	094-008237-00000		
10.01	Gas nozzle, short	-	12	-	1	094-008238-00000		
10.03	Plasma nozzle	-	1	-	1	094-019228-00000		
10.03	Plasma nozzle	-	1.2	-	1	094-019229-00000		
10.03	Plasma nozzle	-	1.4	-	1	094-019230-00000		
10.03	Plasma nozzle	-	1.6	-	1	094-019231-00000		
10.03	Plasma nozzle	-	1.8	-	1	094-019232-00000		
10.03	Plasma nozzle	-	2	-	1	094-019233-00000		
10.03	Plasma nozzle	-	2.2	-	1	094-019234-00000		
10.03	Plasma nozzle	-	2.4	-	1	094-019235-00000		
10.03	Plasma nozzle	-	2.6	-	1	094-019236-00000		
10.03	Plasma nozzle	-	2.8	-	1	094-019237-00000		
10.03	Plasma nozzle	-	3	-	1	094-019238-00000		
10.03	Plasma nozzle	-	3.2	-	1	094-019239-00000		
10.03	Plasma nozzle	-	3.4	-	1	094-019240-00000		
10.03	Plasma nozzle	-	3.6	-	1	094-019241-00000		
10.03	Plasma nozzle	-	3.8	-	1	094-019242-00000		
10.03	Plasma nozzle	-	4	-	1	094-019243-00000		
10.03	Plasma nozzle	-	4.2	-	1	094-019244-00000		
10.04	O-Ring for plasma nozzle	-	-	-	10	094-019245-00000		
10.06	Tungsten electrode, special	1.5	-	75	1	094-008951-00000		
10.06	Tungsten electrode, special	2.4	-	75	1	094-008789-00000		
10.06	Tungsten electrode, special	3.2	-	75	1	094-008952-00000		
10.07	Tungsten electrode, special	3.2	-	30	1	094-008268-00000		
10.09	O-ring	-	-	-	10	094-019227-00000		
10.10	Gas guide insert	1.5	-	-	1	094-008241-00000		
10.10	Gas guide insert	2.4	-	-	1	094-008787-00000		
10.13	Gas lens	-	-	-	1	094-019246-00000		
10.14	O-ring for back cap	-	-	-	10	094-008234-00000		
10.15	O-ring for gas nozzle	-	-	-	10	094-008236-00000		
10.18	Nozzle cap	-	-	-	1	094-019247-00000		
10.19	Clamping module	1.5	-	-	1	094-008557-00000		
10.19	Clamping module	2.4	-	-	1	094-009398-00000		
10.19	Clamping module	3.2	-	-	1	094-009399-00000		
10.24	Nozzle wrench	-	-	-	1	094-019248-00000		
10.25	Connecting piece	-	-	-	1	094-019249-00000		
10.26	Handle	-	-	-	1	094-019250-00000		

Consumables kits

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Overview

MIG/MAG consumables		Page
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Consumables packaging

You can now choose between two types of consumables packaging:

Rider packaging, contains 10 pieces or more
Exemplary item no.: 094-xxxxxx-0000x



Skin packaging, contains 2 or 5 pieces
Exemplary item no.: 094-xxxxxx-9000x





MT series

MT221G / 301W



- Screw-on gas nozzle, fits MT221G and MT301W torch series
- Made from nickel-plated copper

Length		66 mm			
Designation	Nozzle Ø mm	PU Unit	PE	Item no.	
Gas nozzle	11.0	10	Per unit	094-013062-00001	
	13.0			094-013061-00001	
	16.0			094-013063-00001	
	11.0	2	per pack. unit	094-013062-90002	
	13.0			094-013061-90002	
	16.0			094-013063-90002	

GD MT221G/MT301W FL



- Screw-on gas nozzle for narrow gap welding; fits MT221G and MT301W torch series
- Made from nickel-plated copper

Designation	PU Unit	Item no.		
Gas nozzle, cylinder neck	2	094-020136-00000		

MT221G / 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			
Designation	PU Unit	PE	Item no.		
Gas nozzle, Innershield	10	Per unit	094-013644-00000		
	2	per pack. unit	094-013644-90002		

MT221G / 301W SGN



- Screw-on gas nozzle, fits MT221G and MT301W torch series
- Particularly suitable for MIG/MAG spot welding
- Made from nickel-plated copper

Designation	PU Unit	Item no.		
Spot gas nozzle	10	094-020944-00000		


MT301G / MT451W


- Screw-on gas nozzle, fits MT301G and MT451W torch series
- Made from nickel-plated copper

Length			71 mm		
Designation	Nozzle Ø mm	Length mm	PU Unit	PE	Item no.
Gas nozzle, short	15.0	65	10	Per unit	094-019821-00001
	18.0				094-019822-00001
	13.0				094-013105-00001
	15.0				094-013106-00001
Gas nozzle	18.0	71	2	per pack. unit	094-013107-00001
	13.0				094-013105-90002
	15.0				094-013106-90002
	18.0				094-013107-90002

GN ES MT301G / MT451W


- Screw-on gas nozzle for narrow gap welding; fits MT401G and MT551W torch series
- Made from nickel-plated copper

Designation	PU Unit	Item no.
Gas nozzle, very conical, narrow gap welding	10	094-019853-00001

MT301G / MT451W FCW


- Screw-on gas nozzle for flux cored wire welding; suitable for MT301G and MT451W torch series

Length			59.5 mm		
Designation	PU Unit	PE	Item no.		
Gas nozzle, Innershield	10	Per unit	094-019554-00000		
	2	per pack. unit	094-019554-90002		

MT301G / MT451W SGN


- Screw-on gas nozzle, fits MT301G and MT451W torch series
- Particularly suitable for MIG/MAG spot welding
- Made from nickel-plated copper

Designation	PU Unit	Item no.
Spot gas nozzle	10	094-020945-00000



MT401G / MT551W



- Short screw-on gas nozzle, fits MT401G and MT551W torch series
- Made from nickel-plated copper

Length		63 mm				
Designation	Nozzle Ø mm	PU Unit	PE	Item no.		
Gas nozzle	15.0	10	Per unit	094-014177-00001		
	17.0			094-014179-00001		
	19.0			094-014181-00001		
	15.0	2	per pack. unit	094-014177-90002		
	17.0			094-014179-90002		
	19.0			094-014181-90002		

MT401G / MT551W



- Long screw-on gas nozzle, fits MT401G and MT551W torch series
- Made from nickel-plated copper

Length		66 mm				
Designation	Nozzle Ø mm	PU Unit	PE	Item no.		
Gas nozzle	15.0	10	Per unit	094-014178-00001		
	17.0			094-014180-00001		
	19.0			094-014182-00001		
	15.0	2	per pack. unit	094-014178-90002		
	17.0			094-014180-90002		
	19.0			094-014182-90002		

GN ES MT401G / MT551W



- Screw-on gas nozzle for narrow gap welding; fits MT401G and MT551W torch series
- Made from nickel-plated copper

Designation	PU Unit	Item no.		
Gas nozzle, very conical, narrow gap welding	10	094-019702-00000		

GN ES MT301G/MT451W // MT401G/MT551W



Designation	PU Unit	Item no.		
Gas nozzle, narrow gap welding	10	094-019626-00000		


GDK MT301G/MT451W // MT401G/MT551W


- Gas nozzle body, for narrow gap welding

Designation	PU Unit	Version	Item no.		
Gas nozzle body	10	Suitable for MT301G/ MT451W	094-019623-00000		
		Suitable for MT401G/ MT551W	094-019624-00000		

INS MT301G/MT451W // MT401G/MT551W


- Insulation ring for narrow gap welding

Designation	PU Unit	Item no.		
Capillary tube	1	094-019625-00000		

ZH MT451W / MT551W


- Centring sleeve, for narrow gap welding

Designation	PU Unit	Item no.		
Centring sleeve	10	094-019627-00000		



MIG series

MIG 15



- Nickel-plated, insulated gas nozzle, fits MIG 15 torches

Length		53 mm					
Material		Copper, nickel-plated					
Designation	Nozzle Ø	PU	Version	PE	Item no.		
	mm	Unit					
Gas nozzle	9.5	10	Highly conical	Per unit	094-001212-00000		
	12.0		Conical		094-001085-00000		
	16.0		Cylindrical		094-001198-00000		
	9.5	2	Highly conical	per pack. unit	094-001212-90002		
	12.0		Conical		094-001085-90002		
	16.0		Cylindrical		094-001198-90002		

MIG 24/240



- Nickel-plated gas nozzle, fits MIG 24/240 torches
- Plug-in with clamping ring

Length		63.5 mm					
Material		Copper, nickel-plated					
Designation	Nozzle Ø	PU	Version	PE	Item no.		
	mm	Unit					
Gas nozzle	10.0	10	Highly conical	Per unit	094-001234-00000		
	12.5		Conical		094-001190-00000		
	17.0		Cylindrical		094-001233-00000		
	10.0	2	Highly conical	per pack. unit	094-001234-90002		
	12.5		Conical		094-001190-90002		
	17.0		Cylindrical		094-001233-90002		

MIG 25



- Nickel-plated, insulated, plug-in gas nozzle; fits MIG 25 welding torches.

Length		57 mm					
Material		Copper, nickel-plated					
Designation	Nozzle Ø	PU	Version	PE	Item no.		
	mm	Unit					
Gas nozzle	11.5	10	Highly conical	Per unit	094-001647-00000		
	15.0		Conical		094-002079-00000		
	18.0		Cylindrical		094-013288-00000		
	11.5	2	Highly conical	per pack. unit	094-001647-90002		
	15.0		Conical		094-002079-90002		
	18.0		Cylindrical		094-013288-90002		


MIG 36


- Nickel-plated gas nozzle, plug-in with clamping ring; fits MIG 36 torches

Length		84 mm					
Material		Copper, nickel-plated					
Designation	Nozzle Ø	PU	Version	PE	Item no.		
	mm	Unit					
Gas nozzle	12.0	10	Highly conical	Per unit	094-001241-00000		
	16.0		Conical		094-001240-00000		
	19.0		Cylindrical		094-001239-00000		
	12.0	2	Highly conical	per pack. unit	094-001241-90002		
	16.0		Conical		094-001240-90002		
	19.0		Cylindrical		094-001239-90002		

MIG 401/452/501


- Gas nozzles for torch types MIG 401, 452 and 501
- Copper, bright, with clamping ring

Length		76 mm					
Material		Copper					
Designation	Nozzle Ø	PU	Version	PE	Item no.		
	mm	Unit					
Gas nozzle	14.0	10	Highly conical	Per unit	094-001260-00000		
	16.0		Conical		094-000945-00000		
	20.0		Cylindrical		094-001259-00000		
	14.0	2	Highly conical	per pack. unit	094-001260-90002		
	16.0		Conical		094-000945-90002		
	20.0		Cylindrical		094-001259-90002		

MT series
RAD MT221GF/MT301WF


- Extraction nozzle, suitable for MT221G F and MT301W F

Designation	PU	Item no.		
	Unit			
Extraction nozzle	1	094-014998-00000		

RAD MT451 WF


- Extraction nozzle, suitable for MT451W F

Designation	PU	Item no.		
	Unit			
Extraction nozzle	1	094-014997-00000		



■ 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 application with any MT torch 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 Unit	PE	Item no.	
Contact tip	0.8	10	Per unit	094-013535-00000	
	0.9			094-013536-00000	
	1.0			094-013537-00000	
	1.2			094-013538-00000	
	0.8	5	per pack. unit	094-013535-90005	
	0.9			094-013536-90005	
	1.0			094-013537-90005	
	1.2			094-013538-90005	

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 application with any MT torch 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 Unit	PE	Item no.	
Contact tip, aluminium welding	0.8	10	Per unit	094-013550-00000	
	0.9			094-013551-00000	
	1.0			094-013552-00000	
	1.2			094-013553-00000	
	0.8	5	per pack. unit	094-013550-90005	
	0.9			094-013551-90005	
	1.0			094-013552-90005	
	1.2			094-013553-90005	

CT M6 CuCrZr



- Contact tip made from copper/chrome/zirconium alloy
- For particularly long service life
- For universal use with all EWM torch series with M6 contact tip thread

Length		25 mm			
Thread, contact tip		M6			
Material		CuCrZr			
Designation	Wire Ø mm	PU Unit	Item no.		
Contact tip	0.8	10	094-020689-00000		
	1.0		094-020690-00000		


CT M6 E-Cu


- Contact tip made from E-Cu copper
- For universal use with all EWM torch series with M6 contact tip thread

Length		25 mm			
Thread, contact tip		M6			
Material		E-Cu			
Designation	Wire Ø mm	PU Unit	Item no.		
Contact tip	0.6	10	094-020691-00000		
	0.8		094-020692-00000		
	0.9		094-020693-00000		
	1.0		094-020694-00000		

CT M6 E-Cu (Alu)


- Contact tip made from E-Cu copper
- Developed specially for aluminium wires
- For universal use with all EWM torch series 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 Unit	Item no.		
Contact tip, aluminium welding	0.6	10	094-020695-00000		
	0.8		094-020696-00000		
	0.9		094-020697-00000		
	1.0		094-020698-00000		

CT M6 CuCrZr


- Contact tip made from copper/chrome/zirconium alloy
- For particularly long service life
- For universal use with all EWM torch series with M6 contact tip thread

Length		28 mm			
Thread, contact tip		M6			
Material		CuCrZr			
Version		For extremely long service lives			
Designation	Wire Ø mm	PU Unit	PE	Item no.	
Contact tip	0.8	10	Per unit	094-013071-00000	
	0.9			094-013122-00000	
	1.0			094-013072-00000	
	1.2			094-014317-00000	
	0.8	5	per pack. unit	094-013071-90005	
	0.9			094-013122-90005	
	1.0			094-013072-90005	
	1.2			094-014317-90005	



CT M6 E-Cu



- Contact tip made from E-Cu copper
- For universal use with all EWM torch series with M6 contact tip thread

Length	28 mm
Thread, contact tip	M6
Material	E-Cu

Designation	Wire Ø mm	PU Unit	PE	Item no.		
Contact tip	0.8	10	Per unit	094-016101-00000		
	0.9			094-016102-00000		
	1.0			094-016103-00000		
	1.2			094-016104-00000		
	0.8	5	per pack. unit	094-016101-90005		
	0.9			094-016102-90005		
	1.0			094-016103-90005		
	1.2			094-016104-90005		

CT M6 E-Cu (Alu)



- Contact tip made from E-Cu copper
- Developed specially for aluminium wires
- For universal use with all EWM torch series 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 Unit	PE	Item no.		
Contact tip, aluminium welding	0.8	10	Per unit	094-016105-00000		
	0.9			094-016106-00000		
	1.0			094-016107-00000		
	1.2			094-016108-00000		
	0.8	5	per pack. unit	094-016105-90005		
	0.9			094-016106-90005		
	1.0			094-016107-90005		
	1.2			094-016108-90005		

CT M5 CuCrZr

Length	19 mm
Thread, contact tip	M5
Material	CuCrZr

Designation	Wire Ø mm	PU Unit	Item no.		
Contact tip	0.8	10	094-016775-00000		
	1.0		094-016758-00000		
	1.2		094-016776-00000		



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 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 Unit	PE	Item no.		
Contact tip	0.8	10	Per unit	094-013528-00000		
	0.9			094-013529-00000		
	1.0			094-013530-00000		
	1.2			094-013531-00000		
	1.4			094-013532-00000		
	1.6			094-013533-00000		
	2.0			094-013534-00000		
	2.4			094-013720-00000		
	0.8	5	per pack. unit	094-013528-90005		
	0.9			094-013529-90005		
	1.0			094-013530-90005		
	1.2			094-013531-90005		
	1.4			094-013532-90005		
	1.6			094-013533-90005		
	2.0			094-013534-90005		
	2.4			094-013720-90005		

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 MT301G/MT451W/MT401G/MT551W

Designation	Wire Ø mm	PU Unit	Item no.		
Contact tip, narrow gap welding	0.8	10	094-021189-00000		
	1.0		094-019616-00000		
	1.2		094-019617-00000		
	1.4		094-020019-00000		
	1.6		094-019618-00000		



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 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 Unit	PE	Item no.		
Contact tip, aluminium welding	0.8	10	Per unit	094-013543-00000		
	0.9			094-013544-00000		
	1.0			094-013545-00000		
	1.2			094-013546-00000		
	1.4			094-013547-00000		
	1.6			094-013548-00000		
	2.0	5	per pack. unit	094-013549-00000		
	0.8			094-013543-90005		
	0.9			094-013544-90005		
	1.0			094-013545-90005		
	1.2			094-013546-90005		
	1.4			094-013547-90005		
	1.6			094-013548-90005		
	2.0			094-013549-90005		

CT M8 CuCrZr



- Contact tip made from copper/chrome/zirconium alloy
- For particularly long service life
- For universal use with all EWM torch series 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 Unit	PE	Item no.		
Contact tip	0.8	10	Per unit	094-014024-00000		
	0.9			094-013129-00000		
	1.0			094-014222-00000		
	1.2			094-013113-00000		
	1.4			094-014191-00000		
	1.6			094-014192-00000		
	2.0	5	per pack. unit	094-014193-00000		
	0.8			094-014024-90005		
	0.9			094-013129-90005		
	1.0			094-014222-90005		
	1.2			094-013113-90005		
	1.4			094-014191-90005		
	1.6			094-014192-90005		
	2.0			094-014193-90005		



CT M8 E-CU



- Contact tip made from E-Cu copper
- For universal use with all EWM torch series with M8 contact tip thread

Length	30 mm
Thread, contact tip	M8
Material	E-Cu

Designation	Wire Ø mm	PU Unit	PE	Item no.		
Contact tip	0.8	10	Per unit	094-016109-00000		
	0.9			094-016110-00000		
	1.0			094-016111-00000		
	1.2			094-007238-00000		
	1.4			094-016112-00000		
	1.6			094-016113-00000		
	2.0			094-016114-00000		
	0.8	5	per pack. unit	094-016109-90005		
	0.9			094-016110-90005		
	1.0			094-016111-90005		
	1.2			094-007238-90005		
	1.4			094-016112-90005		
	1.6			094-016113-90005		
	2.0			094-016114-90005		

CT M8 E-Cu (Alu)



- Contact tip made from E-Cu copper
- Developed specially for aluminium wires
- For universal use with all EWM torch series 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 Unit	PE	Item no.		
Contact tip, aluminium welding	0.8	10	Per unit	094-016115-00000		
	0.9			094-016116-00000		
	1.0			094-016117-00000		
	1.2			094-016118-00000		
	1.4			094-016119-00000		
	1.6			094-016120-00000		
	2.0			094-016920-00000		
	0.8	5	per pack. unit	094-016115-90005		
	0.9			094-016116-90005		
	1.0			094-016117-90005		
	1.2			094-016118-90005		
	1.4			094-016119-90005		
	1.6			094-016120-90005		
	2.0			094-016920-90005		



MIG series

CT M6 E-Cu



Length	25 mm
Thread, contact tip	M6
Material	E-Cu

Designation	Wire Ø mm	PU Unit	Item no.		
Contact tip	0.6	10	094-001088-00000		
	0.8		094-001087-00000		
	1.0		094-001086-00000		

CT M6 E-Cu



Length	28 mm
Thread, contact tip	M6
Material	E-Cu

Designation	Wire Ø mm	PU Unit	Item no.		
Contact tip	0.8	10	094-001191-00000		
	1.0		094-001228-00000		
	1.2		094-001229-00000		

CT M6 CuCrZr



Length	28 mm
Thread, contact tip	M6
Material	CuCrZr

Designation	Wire Ø mm	PU Unit	Item no.		
Contact tip	0.8	10	094-005407-00000		
	0.9		094-005408-00000		
	1.0		094-003339-00000		
	1.2		094-005224-00000		

CT M6 E-Cu (Alu)



Length	28 mm
Thread, contact tip	M6
Material	E-Cu

Designation	Wire Ø mm	PU Unit	Item no.		
Contact tip, aluminium welding	0.8	10	094-001230-00000		
	1.0		094-001231-00000		
	1.2		094-001232-00000		



CT M8 E-Cu



Length	30 mm
Thread, contact tip	M8
Material	E-Cu

Designation	Wire Ø mm	PU Unit	Item no.		
Contact tip	0.8	10	094-001252-00000		
	1.0		094-000941-00000		
	1.2		094-000942-00000		
	1.4		094-001253-00000		
	1.6		094-001254-00000		

CT M8 CuCrZr



Length	30 mm
Thread, contact tip	M8
Material	CuCrZr

Designation	Wire Ø mm	PU Unit	Item no.		
Contact tip	0.8	10	094-005409-00000		
	0.9		094-005410-00000		
	1.0		094-005225-00000		
	1.2		094-004207-00000		
	1.4		094-005411-00000		
	1.6		094-005412-00000		
	2.0		094-005413-00000		

CT M8 E-Cu (Alu)



Length	30 mm
Thread, contact tip	M8
Material	E-Cu

Designation	Wire Ø mm	PU Unit	Item no.		
Contact tip, aluminium welding	0.8	10	094-001257-00000		
	1.2		094-000944-00000		
	1.4		094-010165-00000		
	1.6		094-001258-00000		
	1.0		094-000943-00000		



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 Unit	PE	Item no.		
Contact tip holder	34.5	10	Per unit	094-013542-00002		
	31.5			094-013541-00002		
	34.5	2	per pack. unit	094-013542-90002		
	31.5			094-013541-90002		

CTH M6 CuCrZr



- Precision-manufactured contact tip holder made from copper/chrome/zirconium alloy.
- For torch series MT221G and MT301W

Designation	PU Unit	Item no.		
Contact tip holder	10	094-020562-00000		

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 Unit	PE	Item no.		
Contact tip holder	30.5	10	Per unit	094-013069-00002		
	33.5			094-013070-00002		
	30.5	2	per pack. unit	094-013069-90002		
	33.5			094-013070-90002		

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 Unit	PE	Item no.		
Contact tip holder	34.5	10	Per unit	094-013539-00002		
	37.5			094-013540-00002		
	34.5	2	per pack. unit	094-013539-90002		
	37.5			094-013540-90002		


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 Unit	PE	Item no.		
Contact tip holder	35	10	Per unit	094-013856-00003		
	38			094-016425-00003		
	35	2	per pack. unit	094-013856-90002		
	38			094-016425-90002		

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 Unit	PE	Item no.		
Contact tip holder	34.1	10	Per unit	094-013109-00002		
	37.1			094-013110-00002		
	34.1	2	per pack. unit	094-013109-90002		
	37.1			094-013110-90002		

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 Unit	PE	Item no.		
Contact tip holder	34.5	10	Per unit	094-015489-00003		
	37.5			094-016018-00003		
	34.5	2	per pack. unit	094-015489-90002		
	37.5			094-016018-90002		



MIG series

GNH MIG 15



- Contact tip holder, MIG 15

Length 41 mm

Thread, contact tip M6

Designation	Material	PU Unit	PE	Item no.		
Contact tip holder	Brass	10	Per unit	094-001207-00000		
Nozzle spring	Spring steel	20		094-001083-00000		
Contact tip holder	Brass	5	per pack.	094-001083-90005		
		2	unit	094-001207-90002		

CTH MIG 25



- Contact tip holder for MIG 25 welding torch.

Length 35 mm

Thread, contact tip M6

Designation	Material	PU Unit	PE	Item no.		
Contact tip holder	Brass	10	Per unit	094-001823-00000		
Nozzle spring	Spring steel	20		094-001646-00000		
Contact tip holder	Brass	2	per pack.	094-001823-90002		
Nozzle spring	Spring steel	5	unit	094-001646-90005		

CTH MIG 24 / 240



- Contact tip holder for MIG 24/240 and PP 24/240 torch types

Length 26 mm

Thread, contact tip M6

Material Brass

Designation	PU Unit	PE	Item no.		
	10	Per unit	094-001227-00000		
Contact tip holder	2	per pack.	094-001227-90002		
		unit			

CTH MIG 36



- Contact tip holder for MIG 36 torch types

Length 28 mm

Material Brass

Designation	PU Unit	Thread, contact tip	PE	Item no.		
	10	M6	Per unit	094-001237-00000		
		M8		094-012552-00000		
Contact tip holder	2	M6	per pack.	094-001237-90002		
		M8	unit	094-012552-90002		

CTH MIG 401/501



- Contact tip holder for MIG 401/501 torch types

Length 25 mm

Material Brass

Designation	PU Unit	Thread, contact tip	PE	Item no.		
	10	M6	Per unit	094-001656-00000		
		M8		094-001658-00000		
Contact tip holder	2	M6	per pack.	094-001656-90002		
		M8	unit	094-001658-90002		



MT series

GD MT221G/MT301W



- Gas diffuser made from highly heat-resistant, fibre-reinforced plastic
- For MT221G and MT301W welding torches

Material		Plastic			
Designation	PU Unit	PE	Item no.		
Gas diffuser	10	Per unit	094-013094-00002		
	2	per pack. unit	094-013094-90002		

GD MT301G/451W



- Gas diffuser made from highly heat-resistant, fibre-reinforced plastic
- For torch series MT301G and MT451W

Material		Plastic			
Designation	PU Unit	PE	Item no.		
Gas diffuser	10	Per unit	094-013096-00002		
	2	per pack. unit	094-013096-90002		

GD MT401G/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 Unit	PE	Item no.		
Gas diffuser	10	Per unit	094-013111-00001		
	2	per pack. unit	094-013111-90002		



MIG series

GD MIG 24



- For MIG 24 welding torches

Length		20 mm			
Version		Standard			
Designation	PU Unit	PE	Item no.		
Gas diffuser	10	Per unit	094-009009-00000		
	2	per pack. unit	094-009009-90002		

GD MIG 36



- For MIG 36 welding torches

Length		32.5 mm			
Designation	PU Unit	Version	PE	Item no.	
Gas diffuser	10	Standard	Per unit	094-001236-00000	
		Long life		094-012571-00000	
		Ceramic		094-012572-00000	
	2	Standard	per pack. unit	094-001236-90002	
		Long life		094-012571-90002	
		Ceramic		094-012572-90002	

GD MIG 401/501



- For MIG 401 and MIG 501 welding torches

Length		28 mm			
Designation	PU Unit	Version	PE	Item no.	
Gas diffuser	10	Standard	Per unit	094-000948-00000	
		Long life		094-011628-00000	
		Ceramic		094-012649-00000	
	2	Standard	per pack. unit	094-000948-90002	
		Long life		094-011628-90002	
		Ceramic		094-012649-90002	



Insulated

LSTC



- Steel liner for supporting low-alloy and medium-alloy welding wires
- 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 Unit	Item no.		
Steel liner, insulated	3.6	2	094-013074-00500		
	4.6		094-013075-00500		
	5.6		094-014221-00500		

LSTC



- Steel liner for supporting low-alloy and medium-alloy welding wires
- 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 Unit	Item no.		
Steel liner, insulated	3.6	2	094-007239-00500		
	4.6		094-014223-00500		
	5.6		094-014224-00500		

LSTC



- Steel liner for supporting low-alloy and medium-alloy welding wires
- 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 Unit	Item no.		
Steel liner, insulated	3.6	2	094-013662-00501		
	4.6		094-013663-00501		
	5.6		094-013664-00501		



Combined liners

PA



- Combined liner
- 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	Grey
Material	PA

Designation	Length m	PU Unit	Item no.
Combined liner, PA	3.0	1	094-013687-00000
	4.0		094-013687-00004
	5.0		094-013687-00005

PA



- Combined liner
- 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
Material	PA

Designation	Length m	PU Unit	Item no.
Combined liner, PA	3	1	094-013076-00000
	4		094-013077-00000
	5		094-013565-00000

PA



- Combined liner
- 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 Unit	Item no.
Combined liner, PA	3.0	1	094-013665-00000
	4.0		094-013666-00000
	5.0		094-013667-00000

PTFE (teflon)



- Combined liner
- 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 Unit	Item no.
Combined liner, Teflon	3.0	1	094-013800-00000
	4.0		094-013800-00004
	5.0		094-013800-00005


PTFE (teflon)


- Combined liner
- 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 Unit	Item no.		
Combined liner, Teflon	3.0	1	094-013801-00000		
	4.0		094-013801-00004		
	5.0		094-013801-00005		

PTFE (teflon)


- Combined liner
- 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	PTFE (Teflon)

Designation	Length m	PU Unit	Item no.		
Combined liner, Teflon	3.0	1	094-013802-00000		
	4.0		094-013802-00004		
	5.0		094-013802-00005		

PTFE (carbon teflon)


- Combined liner
- 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 Unit	Item no.		
Combined liner, carbon Teflon	3.0	1	094-013871-00000		
	4.0		094-013871-00004		
	5.0		094-013871-00005		



PTFE (carbon teflon)



- Combined liner
- 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 Unit	Item no.		
Combined liner, carbon Teflon	3.0	1	094-013828-00000		
	4.0		094-013828-00004		
	5.0		094-013828-00005		

PTFE (carbon teflon)



- Combined liner
- 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 Unit	Item no.		
Combined liner, carbon Teflon	3.0	1	094-013829-00000		
	4.0		094-013829-00004		
	5.0		094-013829-00005		

Material sold by the metre

LSTC CrNi



- By the metre in various diameters

Material	CrNi
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Designation	Wire Ø mm	Inside Ø mm	Outside Ø mm	PU m	Item no.		
Steel liner, sold by the metre	0.6 - 1	1.5	3.3	50	094-020170-00000		
	1.2 - 1.6	2.0	4.0		094-020102-00000		

LSTC CuZn



- By the metre in various diameters

Material	Brass
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Designation	Wire Ø mm	Inside Ø mm	Outside Ø mm	PU m	Item no.		
Steel liner, sold by the metre	1,2 - 1,6	2	4	50	094-019612-00000		


LSTC ST


- By the metre in various diameters

Material				Steel			
Designation	Wire Ø	Inside Ø	Outside Ø	PU	Item no.		
	mm	mm	mm	m			
Steel liner, sold by the metre	0.6 - 1	1.5	3.3	50	094-020171-00000		
	1.2 - 1.6	2.0	4.0		094-020066-00000		

PA


- By the metre in various diameters

Colour code				Grey			
Material				PA			
Packing drum size				200 m			
Designation	Wire Ø	Inside Ø	Outside Ø	PU	Item no.		
	mm	mm	mm	m			
PA liner, by the metre	0.6 - 1	1.4	4.0	200	094-013781-00200		
	1.2 - 1.6	2.0			094-013782-00200		
	1.6 - 2	2.3			094-013783-00200		

PTFE (teflon)


- By the metre in various diameters

Colour code				Blue/red/yellow			
Material				PTFE (Teflon)			
Packing drum size				100 m			
Designation	Wire Ø	Inside Ø	Outside Ø	PU	Item no.		
	mm	mm	mm	m			
Teflon liner, by the metre	0.6 - 1	1.5	4.0	100	094-013487-00100		
	1.2 - 1.6	2.0			094-013490-00100		
	1.6 - 2	2.7			094-013523-00100		

PTFE (carbon teflon)


- By the metre in various diameters

Colour code				Black			
Material				Carbon teflon			
Packing drum size				100 m			
Designation	Wire Ø	Inside Ø	Outside Ø	PU	Item no.		
	mm	mm	mm	m			
Carbon teflon liner, by the metre	0.6 - 1	1.5	4.0	100	094-013870-00100		
	1.2 - 1.6	2.0			094-013524-00100		
	1.6 - 2	2.7			094-013525-00100		



Universal accessories

Guide tube



Designation	Length mm	PU Unit	Item no.		
Guide tube	45	1	094-019350-00000		
	66		094-018316-00000		
	100		094-020064-00000		
	105		094-006051-00000		
	115		094-001064-00000		

Capillary tube



Designation	Length mm	PU Unit	Version	Item no.		
Capillary tube	48	5	Wire diameter ≤ 1.6 mm	094-014186-00000		
	69		Wire diameter ≤ 2.0 mm	094-014667-00000		
	107		Wire diameter ≤ 1.6 mm	094-006634-00000		
	105		Wire diameter ≤ 2.4 mm	094-021470-00000		
	118		Wire diameter ≤ 1.6 mm	094-002559-00000		
			Wire diameter ≤ 2.0 mm	094-007515-00000		

Brass liner



- Brass liner, including jointing sleeve for screwing onto PA or Teflon liners

Designation	Inside Ø mm	Outside Ø mm	Length mm	PU Unit	PE	Item no.		
Brass liner	2.0	4.0	200	5	Per unit	094-013078-00000		
	2.2	4.4	300			094-013872-00000		
	2.0	4.0	200	2	per pack.	094-013078-90002		
	2.2	4.4	300		unit	094-013872-90002		

Collet chuck



- Collet chuck for fixing in Euro torch connector

Material			Brass					
Designation	Ø mm	PU Unit	PE	Item no.				
Collet chuck	4,0	20	Per unit	094-001082-00000				
	4,7			094-001291-00000				
	4,0	5	per pack.	094-001082-90005				
	4,7			094-001291-90005				

Connecting sleeves



- Jointing sleeve for joining the brass liner to the liner.

Material			Brass					
Designation	Ø mm	PU Unit	PE	Item no.				
Connecting sleeves	4,0	20	Per unit	094-013757-00000				
	4,7			094-013758-00000				
	4,0	5	per pack.	094-013757-90005				
	4,7			094-013758-90005				

Hexagonal nut



- Hexagon nut for Euro central connector

Material			Brass					
Designation	PU Unit	PE	Item no.					
Hexagonal nut	10	Per unit	094-001080-00000					
	2	per pack.	094-001080-90002					



Torch key



- Torch key for fitting contact tip, contact tip holder and other accessories

Designation	PU Unit	Item no.		
Torch key, SW5/12MM	1	094-016038-00001		

Torch cleaning tool



Designation	PU Unit	Item no.		
Gas nozzle cleaner	1	098-000407-00000		

Hose cutter



- Cutter for the cutting of PA and PTFE liners.

Designation	Item no.		
Hose cutter	094-016585-00000		

Liner sharpener



- Sharpener for plastic liners

Designation	Item no.		
Sharpener for plastic liners	094-010427-00000		

Side cutter



Designation	Item no.		
Side cutter	098-003899-00000		



MIG/MAG consumables sets

MT221G / MT 301W ALU M6



- 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
- **Also suitable for MT220G**

Designation	PU	Item no.		
	Unit			
Consumables set, aluminium	1	092-013427-40001		

MT221G / MT 301W ALU M7



- 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
- **Also suitable for MT220G**

Designation	PU	Item no.		
	Unit			
Consumables set, aluminium	1	092-013427-30001		

MT221G - MT301W ST/CR M6



- 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
- **Also suitable for MT220G**

Designation	PU	Item no.		
	Unit			
Consumables set, steel/chromium nickel	1	092-013427-40000		

MT221G - MT301W ST/CR M7



- 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
- **Also suitable for MT220G**

Designation	PU	Item no.		
	Unit			
Consumables set, steel/chromium nickel	1	092-013427-30000		



MT301G - MT451W ALU M8



- 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
- **Suitable for MT300G and MT450W**

Designation	PU	Item no.		
	Unit			
Consumables set, aluminium	1	092-013428-40001		

MT301G - MT451W ALU M9



- 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
- **Suitable for MT300G and MT450W**

Designation	PU	Item no.		
	Unit			
Consumables set, aluminium	1	092-013428-30001		

MT301G - MT451W ST/CR M8



- 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
- **Suitable for MT300G and MT450W**

Designation	PU	Item no.		
	Unit			
Consumables set, steel/chromium nickel	1	092-013428-40000		

MT301G - MT451W ST/CR M9



- 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
- **Suitable for MT300G and MT450W**

Designation	PU	Item no.		
	Unit			
Consumables set, steel/chromium nickel	1	092-013428-30000		



MT401G - MT551W ALU M8



- 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
- **Also suitable for MT400G and MT550W**

Designation	PU	Item no.		
	Unit			
Consumables set, aluminium	1	092-013429-40001		

MT401G - MT551W ALU M9



- 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
- **Also suitable for MT400G and MT550W**

Designation	PU	Item no.		
	Unit			
Consumables set, aluminium	1	092-013429-30001		

MT401G - MT551W ST/CR M8



- 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
- **Also suitable for MT400G and MT550W**

Designation	PU	Item no.		
	Unit			
Consumables set, steel/chromium nickel	1	092-013429-40000		

MT401G - MT551W ST/CR M9



- 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
- **Also suitable for MT400G and MT550W**

Designation	PU	Item no.		
	Unit			
Consumables set, steel/chromium nickel	1	092-013429-30000		

SRP empty



- Empty box as a spare

Designation	Item no.		
Consumables box, empty	094-013586-00000		



Adapters

ADAP DINSE



Designation	PU	Item no.		
	Unit			
Adapter for welding torches with Dinse connector to use Euro torch connector on the machine	1	094-016765-00000		

ADAP DINSE EZA/DZA



Designation	PU	Item no.		
	Unit			
Adapter for welding torches with Euro torch connector to use Dinse connector on the machine	1	394-000134-00000		

ADAP DINSE



Designation	PU	Item no.		
	Unit			
Adapter for welding torches with Euro torch connector to Cloos connector (gas/water outside) on the machine	1	094-019852-00000		

Samples case

ewm MT torch series samples case



- 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	Item no.		
	Unit			
MT torch series samples case	1	094-020372-00000		

Gas test



- Flow measurement directly on the welding torch
- Argon / H₂ / CO₂
- Flow display

Designation	PU	Item no.		
	Unit			
Flow meter	1	094-000074-00001		


Overview

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TIG series

GN TIG 150/260 S



- Ceramic gas nozzles
- For TIG 150/260 torch types

Length		26 mm					
Material		Ceramic					
Designation	Nozzle Ø	PU	Size	PE	Item no.		
	mm	Unit					
Gas nozzle	6.5	10	4.0	Per unit	094-012672-00000		
	8.0		6.0		094-012405-00000		
	10.0		8.0		094-011756-00000		
	11.5		10.0		094-011980-00000		
	6.5	5	4.0	per pack. unit	094-012672-90005		
	8.0		6.0		094-012405-90005		
	10.0		8.0		094-011756-90005		
	11.5		10.0		094-011980-90005		

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	PU	Size	PE	Item no.		
	mm	Unit					
Gas nozzle	6.5	10	6.0	Per unit	094-012673-00000		
	8.0		7.0		094-012674-00000		
	10.0		8.0		094-011982-00000		
	11.5		10.0		094-011757-00000		
	6.5	5	6.0	per pack. unit	094-012673-90005		
	8.0		7.0		094-012674-90005		
	10.0		8.0		094-011982-90005		
	11.5		10.0		094-011757-90005		

GN TIG 150/260 L

Length		60 mm					
Material		Ceramic					
Designation	Nozzle Ø	PU	Item no.				
	mm	Unit					
Gas nozzle	6.5	10	094-015451-00000				
	8.0		398-000191-00000				

GN TIG 150/260 SP



Length		32 mm					
Material		Ceramic					
Designation	Nozzle Ø	PU	Item no.				
	mm	Unit					
Gas nozzle, ball-shape design	6.5	10	094-019610-00000				
	8.0		394-000156-00000				
	9.5		394-000155-00000				
	11.0		094-019609-00000				


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	PU	Size	PE	Item no.		
	mm	Unit					
Gas nozzle	10.0	10	4.0	Per unit	094-009655-00000		
	13.0		6.0		094-009656-00000		
	10.0		4.0		094-009655-90005		
for gas diffuser	13.0	5	6.0	per pack. unit	094-009656-90005		

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	Length	PU	Size	PE	Item no.		
	mm	mm	Unit					
Gas nozzle	7.5	37	10	5.0	Per unit	094-009646-00000		
	10.0			6.0		094-009647-00000		
	13.0			8.0		094-009648-00000		
	15.0			10.0		094-009649-00000		
Gas nozzle, reinforced	13.0	38.4		8.0		094-011997-00000		
	15.0			12.0		094-011998-00000		
Gas nozzle	7.5	37	5	5.0	per pack. unit	094-009646-90005		
	10.0			6.0		094-009647-90005		
	13.0			8.0		094-009648-90005		
	15.0			10.0		094-009649-90005		
Gas nozzle, reinforced	13.0	38.4		8.0		094-011997-90005		
	15.0			12.0		094-011998-90005		

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	PU	Size	PE	Item no.		
	mm	Unit					
Gas nozzle	7.5	10	5.0	Per unit	094-009650-00000		
	10.0		6.0		094-009651-00000		
	13.0		8.0		094-009653-00000		
	15.0		10.0		094-009654-00000		
	7.5		5.0		094-009650-90005		
	10.0	5	6.0	per pack. unit	094-009651-90005		
	13.0		8.0		094-009653-90005		
	15.0		10.0		094-009654-90005		



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	PU	Size	PE	Item no.		
	mm	Unit					
Gas nozzle for gas diffu- ser, JUMBO	12.5	10	12.0	Per unit	094-009663-00000		
	16.0		16.0		094-009664-00000		
	19.5		20.0		094-009665-00000		
	12.5	2	12.0	per pack. unit	094-009663-90002		
	16.0		16.0		094-009664-90002		
	19.5		20.0		094-009665-90002		

GN TIG-MT 500



Designation	PU	Item no.		
	Unit			
Gas nozzle	10	094-011999-00000		



TIG-SR series

GN TIG-SR 9/20



- Standard gas nozzle for welding steel and aluminium
- For TIG 9 and 20 torch types

Length		30 mm					
Material		Ceramic					
Version		For TIG-SR 9/20 torch types					
Designation	Nozzle Ø	PU	Size	PE	Item no.		
	mm	Unit					
Gas nozzle	6.5	10	4.0	Per unit	094-001343-00000		
	8.0		5.0		094-001344-00000		
	9.5		6.0		094-001345-00000		
	11.0		7.0		094-000930-00000		
	12.5		8.0		094-001122-00000		
	16.0		10.0		094-001346-00000		
	6.5	5	4.0	per pack. unit	094-001343-90005		
	8.0		5.0		094-001344-90005		
	9.5		6.0		094-001345-90005		
	11.0		7.0		094-000930-90005		
	12.5		8.0		094-001122-90005		
	16.0		10.0		094-001346-90005		

GN TIG-SR 9/20 L



- Extended gas nozzle for hard-to-reach spots
- For TIG 9 and 20 torch types

Length		48 mm					
Material		Ceramic					
Version		For TIG-SR 9/20 torch types					
Designation	Nozzle Ø	PU	Size	PE	Item no.		
	mm	Unit					
Gas nozzle	6.5	10	4.0	Per unit	094-001347-00000		
	8.0		5.0		094-001348-00000		
	9.5		6.0		094-001349-00000		
	6.5	2	4.0	per pack. unit	094-001347-90002		
	8.0		5.0		094-001348-90002		
	9.5		6.0		094-001349-90002		

GN TIG-SR 9/20 XL



- Extended gas nozzle for hard-to-reach spots
- For TIG 9 and 20 torch types

Material		Ceramic					
Version		For TIG-SR 9/20 torch types					
Designation	Nozzle Ø	Length	PU	Size	PE	Item no.	
	mm	mm	Unit				
Gas nozzle	6.5	63	10	4.0	Per unit	094-012683-00000	
	8.0			5.0		094-012684-00000	
	9.5			6.0		094-012685-00000	
	6.5	89	2	4.0	per pack. unit	094-012683-90002	
	8.0			5.0		094-012684-90002	
	9.5			6.0		094-012685-90002	



GN TIG-SR 17/18/26



- Extended gas nozzle for hard-to-reach spots
- For TIG 17/18/26 torch types

Length	76 mm
Material	Ceramic
Version	For TIG-SR 17/18/26 torch types

Designation	Nozzle Ø mm	PU Unit	Size	PE	Item no.		
Gas nozzle	8.0	10	5.0	Per unit	094-012691-00000		
	9.5		6.0		094-012692-00000		
	11.0		7.0		094-012693-00000		
	8.0	2	5.0	per pack. unit	094-012691-90002		
	9.5		6.0		094-012692-90002		
	11.0		7.0		094-012693-90002		

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 TIG 9 and 20 torch types

Length	25.5 mm
Material	Ceramic
Version	For TIG-SR 9/20 torch types

Designation	Nozzle Ø mm	PU Unit	Size	PE	Item no.		
Gas nozzle for gas lens	6.5	10	4.0	Per unit	094-001356-00000		
	8.0		5.0		094-001357-00000		
	9.5		6.0		094-001358-00000		
	11.0		7.0		094-001359-00000		
	12.5		8.0		094-017595-00000		
	6.5	5	4.0	per pack. unit	094-001356-90005		
	8.0		5.0		094-001357-90005		
	11.0		7.0		094-001359-90005		
	12.5		6.0		094-017595-90005		

GN GD TIG-SR 17/18/26



- Standard gas nozzle for welding steel and aluminium
- For TIG 17/18/26 torch types

Material	Ceramic
Version	For TIG-SR 17/18/26 torch types

Designation	Nozzle Ø mm	Length mm	PU Unit	Size	PE	Item no.		
Gas nozzle	6.5	47	10	4.0	Per unit	094-001316-00000		
	8.0			5.0		094-000926-00000		
	9.5			6.0		094-001317-00000		
	11.0			7.0		094-000927-00000		
	12.5			8.0		094-000929-00000		
	16.0	50		10.0		094-001318-00000		
	19.5			12.0		094-001319-00000		
	6.5	47	5	4.0	per pack. unit	094-001316-90005		
	11.0			7.0		094-000927-90005		
	12.5			8.0		094-000929-90005		
	9.5			6.0		094-001317-90005		
	16.0	50		10.0		094-001318-90005		
	19.5			12.0		094-001319-90005		


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 TIG 17/18/26/18SC torch types

Length	42 mm
Material	Ceramic
Version	For TIG-SR 17/18/26/18SC torch types

Designation	Nozzle Ø	PU	Size	PE	Item no.		
	mm	Unit					
Gas nozzle	6.5	10	4.0	Per unit	094-001320-00000		
	8.0		5.0		094-001321-00000		
	9.5		6.0		094-001322-00000		
	11.0		7.0		094-001195-00000		
	12.5		8.0		094-001196-00000		
	19.5		12.0		094-001323-00000		
	6.5	2	4.0	per pack. unit	094-001320-90002		
	8.0		5.0		094-001321-90002		
	9.5		6.0		094-001322-90002		
	11.0		7.0		094-001195-90002		
	12.5		8.0		094-001196-90002		
	19.5		12.0		094-001323-90002		
for gas lens							

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 TIG 17/18/26/18SC torch types

Length	76 mm
Material	Ceramic
Version	For TIG-SR 17/18/26/18SC torch types

Designation	Nozzle Ø	PU	Size	PE	Item no.		
	mm	Unit					
Gas nozzle	8.0	10	5.0	Per unit	094-011135-00000		
	9.5		6.0		094-011136-00000		
	11.0		7.0		094-012694-00000		
	8.0	2	5.0	per pack. unit	094-011135-90002		
	9.5		6.0		094-011136-90002		
	11.0		7.0		094-012694-90002		
for gas lens							



TIG series

COL TIG 150/260



- Electrode holder for various tungsten electrode diameters
- Collet 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 Unit	PE	Item no.		
Electrode holders	1.0	5	Per unit	094-012665-00000		
	1.6			094-012406-00000		
	2.0			094-012666-00000		
	2.4			094-011755-00000		
	3.2			094-012667-00000		
	1.0	2	per pack. unit	094-012665-90002		
	1.6			094-012406-90002		
	2.0			094-012666-90002		
	2.4			094-011755-90002		
	3.2			094-012667-90002		

CDIF TIG 150/260



- Gas diffuser for various tungsten electrode diameters
- Improves gas shielding and provides a laminar gas flow
- Recommended to avoid discolouration when welding CrNi steels
- For TIG 150/260 torch types

Length	33 mm
Material	Brass
Version	For TIG 150/260 torch types

Designation	Electrode Ø mm	PU Unit	PE	Item no.		
Gas diffuser	1.0	5	Per unit	094-012668-00000		
	1.6			094-012669-00000		
	2.0			094-012670-00000		
	2.4			094-011984-00000		
	3.2			094-012671-00000		
	1.0	2	per pack. unit	094-012668-90002		
	1.6			094-012669-90002		
	2.0			094-012670-90002		
	2.4			094-011984-90002		
	3.2			094-012671-90002		

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 Unit	PE	Item no.		
Electrode holders	1.6	5	Per unit	094-009634-00000		
	2.0			094-009635-00000		
	2.4			094-009636-00000		
	3.2			094-009637-00000		
	4.0			094-009638-00000		
	4.8	2	per pack. unit	094-009639-00000		
	1.6			094-009634-90002		
	2.0			094-009635-90002		
	2.4			094-009636-90002		
	3.2			094-009637-90002		
	4.0			094-009638-90002		
	4.8			094-009639-90002		


CDIF TIG 200/450/SC


- Gas diffuser for various tungsten electrode diameters
- Improves gas shielding and provides a laminar gas flow
- Recommended to avoid discolouration when welding CrNi steels
- For TIG 200/450 torch types

Length	47 mm
Material	Brass
Version	For TIG 200/450 torch types

Designation	Electrode Ø mm	PU Unit	PE	Item no.		
Gas diffuser	1.6	2	Per unit	094-009640-00000		
	2.0			094-009641-00000		
	2.4			094-009642-00000		
	3.2			094-009643-00000		
	4.0			094-009644-00000		
	4.8			094-009645-00000		
	1.6	2	per pack. unit	094-009640-90002		
	2.0			094-009641-90002		
	2.4			094-009642-90002		
	3.2			094-009643-90002		
	4.0			094-009644-90002		
	4.8			094-009645-90002		



TIG-SR series

COL TIG-SR 9/20



- Collet for various tungsten electrode diameters
- For TIG 9/20 torch types

Length		25.4 mm			
Material		Copper			
Version		For TIG-SR 9/20 torch types			
Designation	Electrode Ø mm	PU Unit	PE	Item no.	
Collet	0.5	10	Per unit	094-001333-00000	
	1.0			094-001334-00000	
	1.2			094-001335-00000	
	1.6			094-001121-00000	
	2.0			094-001336-00000	
	2.4			094-000934-00000	
	3.2			094-001337-00000	
	0.5	5	per pack. unit	094-001333-90005	
	1.0			094-001334-90005	
	1.2			094-001335-90005	
	1.6			094-001121-90005	
	2.0			094-001336-90005	
	2.4			094-000934-90005	
	3.2			094-001337-90005	

COL JUMBO TIG-SR 9/20



- Collet for various tungsten electrode diameters
- For use with jumbo gas nozzles
- For TIG 9/20 torch types

Length		40 mm			
Material		Brass			
Version		For TIG-SR 9/20 torch types			
Designation	Electrode Ø mm	PU Unit	PE	Item no.	
Collet, JUMBO	0.5	10	Per unit	094-012675-00000	
	1.0			094-012676-00000	
	1.6			094-012677-00000	
	2.4			094-002971-00000	
	3.2			094-012678-00000	
	0.5	2	per pack. unit	094-012675-90002	
	1.0			094-012676-90002	
	1.6			094-012677-90002	
	2.4			094-002971-90002	
	3.2			094-012678-90002	

COL TIG-SR 17/18/26



- Copper collet for various tungsten electrode diameters
- For TIG 17/18/26 torch types

Length		50 mm			
Material		Copper			
Version		For TIG-SR 17/18/26 torch types			
Designation	Electrode Ø mm	PU Unit	PE	Item no.	
Collet	1.2	10	Per unit	094-001310-00000	
	2.0			094-001311-00000	
	4.0			094-001312-00000	
	1.2	5	per pack. unit	094-001310-90005	
	2.0			094-001311-90005	
	4.0			094-001312-90005	


COL TIG-SR 17/18/26/18SC


- Copper collet for various tungsten electrode diameters
- For TIG 17/18/26/18SC torch types

Length		50 mm			
Material		Copper			
Version		For TIG-SR 17/18/26/18SC torch types			
Designation	Electrode Ø mm	PU Unit	PE	Item no.	
Collet	0.5	10	Per unit	094-001308-00000	
	1.0			094-001309-00000	
	1.6			094-000931-00000	
	2.4			094-000932-00000	
	3.2			094-000935-00000	
	0.5	5	per pack. unit	094-001308-90005	
	1.0			094-001309-90005	
	1.6			094-000931-90005	
	2.4			094-000932-90005	
	3.2			094-000935-90005	

COL HL TIG-SR 18SC


- Collet for various tungsten electrode diameters
- For high-performance torch TIG 18SC

Length		49 mm			
Material		Copper			
Version		For TIG-SR 17/18/26 torch types			
Designation	Electrode Ø mm	PU Unit	PE	Item no.	
Collet, high-performance	3.2	10	Per unit	094-001361-00000	
	4.0			094-001116-00000	
	4.8			094-001115-00000	
	3.2	2	per pack. unit	094-001361-90002	
	4.0			094-001116-90002	
	4.8			094-001115-90002	

COL comfyTig

Length		29.5 mm			
Material		Copper			
Designation	Electrode Ø mm	PU Unit	PE	Item no.	
Collet	1.0	10		094-019605-00000	
	1.6			094-017284-00000	
	2.0			094-019606-00000	
	2.4			094-017285-00000	
	3.2			094-019288-00000	



TIG series

DIF TIG 150-450/450SC



- Gas diffuser for various tungsten electrode diameters
- Improves gas shielding and provides a laminar gas flow
- For TIG 150-450 torch types

Material

Brass

Version

For TIG 150/200/260/450 torch types

Designation	Electrode Ø mm	PU Unit	Item no.		
Gas diffuser, JUMBO	1.6	1	094-009658-00000		
	2.4		094-009659-00000		
	3.2		094-009660-00000		
	4.0		094-009661-00000		
	4.8		094-009662-00000		



TIG-SR series

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 TIG 9 and 20 torch types

Material		Brass				
Version		For TIG-SR 9/20 torch types				
Designation	Electrode Ø mm	PU Unit	PE	Item no.		
Collet body with gas lens	0.5 - 1	10	Per unit	094-001350-00000		
	1.2			094-001351-00000		
	1.6			094-001352-00000		
	2.0			094-001353-00000		
	2.4			094-001354-00000		
	3.2	2	per pack. unit	094-001355-00000		
	0.5 - 1			094-001350-90002		
	1.2			094-001351-90002		
	1.6			094-001352-90002		
	2.0			094-001353-90002		
	2.4			094-001354-90002		
	3.2			094-001355-90002		

COLB TIG-SR 9/20



- Collet body
- For TIG 9 and 20 torch types

Material		Copper				
Version		For TIG-SR 9/20 torch types				
Designation	Electrode Ø mm	PU Unit	PE	Item no.		
Collet body	0.5 - 1	10	Per unit	094-001338-00000		
	1.2			094-001339-00000		
	1.6			094-001340-00000		
	2.0			094-001341-00000		
	2.4			094-000939-00000		
	3.2	2	per pack. unit	094-001342-00000		
	0.5 - 1			094-001338-90002		
	1.2			094-001339-90002		
	1.6			094-001340-90002		
	2.0			094-001341-90002		
	2.4			094-000939-90002		
	3.2			094-001342-90002		

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 TIG 9 and 20 torch types

Material		Brass				
Version		For TIG-SR 9/20 torch types				
Designation	Electrode Ø mm	PU Unit	PE	Item no.		
Collet body with gas lens, JUMBO	0.5 - 1	5	Per unit	094-012679-00000		
	1.6			094-012680-00000		
	2.4			094-012681-00000		
	3.2			094-012682-00000		
	0.5 - 1	2	per pack. unit	094-012679-90002		
	1.6			094-012680-90002		
	2.4			094-012681-90002		
	3.2			094-012682-90002		



COLB TIG-SR 17/18/26



- Collet body, copper
- For TIG 17/18/26 torch types

Material		Copper			
Version		For TIG-SR 17/18/26 torch types			
Designation	Electrode Ø mm	PU Unit	PE	Item no.	
Collet body	0.5 - 1.2	10	Per unit	094-001314-00000	
	1.6			094-000936-00000	
	2 - 2.4			094-000937-00000	
	3.2			094-000940-00000	
	4.0			094-001315-00000	
	0.5 - 1.2	2	per pack. unit	094-001314-90002	
	1.6			094-000936-90002	
	2 - 2.4			094-000937-90002	
	3.2			094-000940-90002	
	4.0			094-001315-90002	

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 Unit	PE	Item no.	
Collet body	0.5 - 3.2	10	Per unit	094-011137-00000	
	3.2 - 4.8			094-001117-00000	
	0.5 - 3.2	2	per pack. unit	094-011137-90002	
	3.2 - 4.8			094-001117-90002	

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 TIG 17/18/26 torch types

Material		Brass			
Version		For TIG-SR 17/18/26 torch types			
Designation	Electrode Ø mm	PU Unit	PE	Item no.	
Collet body with gas lens	0.5 - 1.2	10	Per unit	094-001324-00000	
	1.6			094-001325-00000	
	2 - 2.4			094-001192-00000	
	3.2			094-001193-00000	
	4.0			094-001326-00000	
	0.5 - 1.2	2	per pack. unit	094-001324-90002	
	1.6			094-001325-90002	
	2 - 2.4			094-001192-90002	
	3.2			094-001193-90002	
	4.0			094-001326-90002	


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 TIG 17/18/26 torch types

Material

Brass

Version

For TIG-SR 17/18/26 torch types

Designation	Electrode Ø mm	PU Unit	Item no.		
Collet body with gas lens, JUMBO	1.6	5	094-003137-00010		
	2.4		094-003137-00000		
	3.2		094-000000-00000		
	4.0		094-011641-00000		

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 Unit	Item no.		
Collet body with gas lens	0.5	10	094-012696-00000		
	1.0		094-012697-00000		
	1.6		094-012698-00000		
	2.4		094-012699-00000		
	3.2		094-001362-00000		
	4.0		094-001363-00000		
	4.8		094-001364-00000		

SCOL comfyTig

Designation	PU Unit	Item no.		
Collet body mount	1	094-021094-00000		



TIG series

INS TIG 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 Unit	Size	PE	Item no.		
Insulator	10	Standard	Per unit	094-011979-00000		
Insulator, JUMBO	1	XL		094-011760-00000		
Insulator	2	Standard	per pack. unit	094-011979-90002		
Insulator, JUMBO		XL		094-011760-90002		

ADAPT TIG 150/260



- Adapter ring for insulator INS TIG 150/260 XL
- For TIG 150/260 torch types

Size		XL				
Material		Brass				
Version		For TIG 150/260 torch types				
Designation	PU Unit	PE	Item no.			
Adapter ring, JUMBO	10	Per unit	094-011758-00000			
	2	per pack. unit	094-011758-90002			

INS TIG 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 Unit	Size	PE	Item no.		
Insulator	10	Standard	Per unit	094-011759-00000		
Insulator, JUMBO	1	XL		094-009657-00000		
Insulator	2	Standard	per pack. unit	094-011759-90002		
Insulator, JUMBO		XL		094-009657-90002		

ASPE TIG 200/300 MT

Designation	PU Unit	Item no.		
Mount for guide tube	1	094-020286-00000		

FR KPL TIG 200/300 MT

Designation	PU Unit	Item no.		
Guide tube	1	094-020285-00000		

EL TIG 200/300W MT

Designation	Item no.		
Setting gauge	094-020513-00000		

TG TIG 500W MT

Designation	PU Unit	Item no.		
Guide tube	1	094-017217-00000		



TIG-SR series

INS TIG-SR 9/20



- Insulators made of heat-resistant Teflon
- For TIG 9 and 20 torch types

Material		Teflon				
Version		For TIG-SR 9/20 torch types				
Designation	PU Unit	Size	PE	Item no.		
Insulator	10	Standard	Per unit	094-001331-00000		
Adapters	5	XL		094-011916-00000		
Insulator	2	Standard	per	094-001331-90002		
Adapters		XL	pack. unit	094-011916-90002		

INS TIG-SR 17/18/26



- Insulators made of heat-resistant Teflon
- For TIG 17/18/26 torch types

Material		Teflon				
Version		For TIG-SR 17/18/26 torch types				
Designation	PU Unit	Size	PE	Item no.		
Insulator	10	Standard	Per unit	094-001307-00000		
Adapters		XL		094-001194-00000		
Adapter, JUMBO	5	XXL		094-003138-00000		
Insulator	2	Standard	per	094-001307-90002		
Adapters		XL	pack.	094-001194-90002		
Adapter, JUMBO		XXL	unit	094-003138-90002		

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 Unit	PE	Item no.			
Insulator	5	Per unit	094-001360-00000			
	2	per pack. unit	094-001360-90002			



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	PU Unit	Size	PE	Item no.		
Back cap	5	short	Per unit	094-011752-00000		
		medium		094-011753-00000		
		long		094-011754-00000		
	2	short	per pack. unit	094-011752-90002		
		medium		094-011753-90002		
		long		094-011754-90002		

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	PU Unit	Size	PE	Item no.		
Back cap	5	short	Per unit	094-010723-00000		
		long		094-010601-00000		
	2	short	per pack. unit	094-010723-90002		
		long		094-010601-90002		

TIG-SR series

TC TIG-SR 9/20



- Back caps for TIG welding torches in unbreakable, heat resistant plastic
- For TIG 9/20 torch types

Material		Plastic				
Version		For TIG-SR 9/20 torch types				
Designation	PU Unit	Size	PE	Item no.		
Back cap	10	short	Per unit	094-001328-00000		
		medium		094-001329-00000		
		long		094-001327-00000		
	2	short	per pack. unit	094-001328-90002		
		medium		094-001329-90002		
		long		094-001327-90002		

TC TIG-SR 17/18/26/18SC



- Back caps for TIG welding torches in unbreakable, heat resistant plastic
- For TIG 17/18/26/18SC torch types

Material		Plastic				
Version		For TIG-SR 17/18/26/18SC torch types				
Designation	PU Unit	Size	PE	Item no.		
Back cap	10	short	Per unit	094-001120-00000		
		long		094-001114-00000		
	2	short	per pack. unit	094-001120-90002		
		long		094-001114-90002		



spotArc

GNC spotArc



- For EWM spotArc torches

Designation	PU Unit	Item no.		
Gas nozzle body	1	094-017309-00001		

GN Spotarc



- Copper nozzles for spot welding and tacking of lap, corner and fillet welds
- For EWM spotArc torches

Material		Copper		
Designation	PU Unit	Size	Item no.	
Spot welding nozzle, edge weld	5	Edge weld	094-009602-00002	
Spot welding nozzle, fillet weld		Fillet weld	094-009603-00002	
Spot welding nozzle, flat weld		Flat weld	094-009604-00002	

SP spotArc



- For EWM spotArc torches

Designation	PU Unit	Item no.		
Gas nozzle	10	094-017310-00000		

ISO spotArc



- For EWM spotArc torches

Designation	PU Unit	Item no.		
Insulator	2	094-019215-00000		

AG SPOTARC



- For the exact positioning of the tungsten electrode
- Manufactured from stainless steel
- For EWM spotArc torches

Designation	PU Unit	Item no.		
Electrode setting gauge with adjustable, flat-ground and non-wearing carbide stop	1	094-014146-00001		



Tungsten electrodes

WP (green)



- Tungsten electrodes
- Developed specially for aluminium wires
- Optimum tungsten balling, lower current load

Length	175 mm
Colour code	Green
Material	Pure tungsten 99.9%

Designation	Electrode Ø mm	PU Unit	Item no.		
Tungsten electrode, green	1.0	10	094-001593-00000		
	1.6		094-001008-00000		
	2.0		094-001594-00000		
	2.4		094-001009-00000		
	3.2		094-001010-00000		
	4.0		094-001011-00000		
	4.8		094-001595-00000		

WCe 20 (grey)



- Tungsten electrodes
- High ignition reliability and service life
- Suitable for direct and alternating current

Length	175 mm
Colour code	Grey
Material	< 2% CeO ₂

Designation	Electrode Ø mm	PU Unit	Item no.		
Tungsten electrode, grey	1.0	10	094-001380-00000		
	1.6		094-001004-00000		
	2.0		094-001381-00000		
	2.4		094-001005-00000		
	3.2		094-001006-00000		
	4.0		094-001007-00000		
	4.8		094-001382-00000		

WCe 20 (grau), short



- Tungsten electrodes
- High ignition reliability and service life
- Suitable for direct and alternating current

Length	75 mm
Colour code	Grey

Designation	Electrode Ø mm	PU Unit	Item no.		
Tungsten electrode, grey	1.6	10	094-019387-00000		
	2.4		094-019388-00000		
	3.2		094-019389-00000		
	4.0		094-019390-00000		


WR 02 (turquoise)


- Tungsten electrodes
- Wittstar WS2 with rare earth doping
- High ignition reliability, long service life, reduced melting loss, high arc stability
- Exceeds the properties of „red“ tungsten electrodes
- Full-scale replacement
- Not radioactive
- Suitable for direct and alternating current

Length	175 mm
Colour code	Turquoise
Material	< 2% noble metals

Designation	Electrode Ø mm	PU Unit	Item no.		
Tungsten electrode, turquoise	1.0	10	094-012957-00000		
	1.6		094-001591-00000		
	2.0		094-002136-00000		
	2.4		094-001592-00000		
	3.2		094-001913-00000		
	4.0		094-009312-00000		
	4.8		094-001914-00000		

WLa 20 (blue)


- Tungsten electrodes
- Suitable for direct and alternating current
- With lanthanum oxide doping
- Primary application: automated and mechanised welding applications

Length	175 mm
Colour code	Blue
Material	< 2% La ₂ O ₃

Designation	Electrode Ø mm	PU Unit	Item no.		
Tungsten electrode, blue	1.0	10	094-012958-00000		
	1.6		094-001915-00000		
	2.0		094-012960-00000		
	2.4		094-001916-00000		
	3.2		094-001917-00000		
	4.0		094-012961-00000		
	4.8		094-001918-00000		

WLa 15 (gold)


- Tungsten electrodes
- Suitable for direct and alternating current
- With lanthanum oxide doping
- Alternative to the WS2 electrode

Length	175 mm
Colour code	Gold
Material	< 1,5% La ₂ O ₃

Designation	Electrode Ø mm	PU Unit	Item no.		
Tungsten electrode, gold	1.0	10	094-009446-00000		
	1.6		094-009447-00000		
	2.0		094-012962-00000		
	2.4		094-009276-00000		
	3.2		094-009527-00000		
	4.0		094-009528-00000		
	4.8		094-009529-00000		



E3 (purple)



- Tungsten electrodes
- Welders are not exposed to radioactive materials
- Less harmful to the environment, residues and dusts are no hazardous waste
- Storage and transport do not require special safety measures
- Optimum ignition and re-ignition characteristics
- Produces high-quality arcs and little burn-off
- Increased current-carrying capacity
- Electrode tip is hardly deformed
- Suitable for direct and alternating current

Length	175 mm
Colour code	Purple
Material	< 2% noble metals

Designation	Electrode Ø mm	PU Unit	Item no.		
Tungsten electrode, purple	1.0	10	094-019691-00000		
	1.6		094-019692-00000		
	2.0		094-019693-00000		
	2.4		094-019694-00000		
	3.2		094-019695-00000		
	4.0		094-019696-00000		

E3 (purple), short



- Tungsten electrodes
- Welders are not exposed to radioactive materials
- Less harmful to the environment, residues and dusts are no hazardous waste
- Storage and transport do not require special safety measures
- Optimum ignition and re-ignition characteristics
- Produces high-quality arcs and little burn-off
- Increased current-carrying capacity
- Electrode tip is hardly deformed
- Suitable for direct and alternating current

Length	75 mm
Colour code	Purple

Designation	Electrode Ø mm	PU Unit	Item no.		
Tungsten electrode, purple	1.6	10	094-020276-00000		
	2.4		094-020277-00000		
	3.2		094-020278-00000		



Sets

SRP TIG 150/260



- Wearing parts set:
- 3 back caps (short, medium, long)
- 2 electrode holders (1 x D = 1.6 mm and 1 x D = 2.4 mm)
- 1 gas distributor (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 D = 2.4 mm/L = 175 mm)

Designation	Item no.		
Consumables kit	092-015252-00000		

SRP TIG 17/18/26



- Consumables set:
- 2 back 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 bodies (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.		
Consumables kit	092-015254-00000		

SRP TIG 200/450



- Consumables set:
- 2 back 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 distributor (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
- 9 tungsten electrodes (3 x D = 1.6 mm, 3 x D = 2.4 mm and 3 x D = 3.2 mm/L = 175 mm)

Designation	Item no.		
Consumables kit	092-015251-00000		

SRP TIG 18SC



- Consumables set:
- 2 back 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 bodies (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.		
Consumables kit	092-015255-00000		



SRP TIG 9/20



- Wearing parts set:
- 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 isolator
- Tungsten electrodes (2 x D = 1.6 mm and 2 x D = 2.4 mm/L = 175 mm)

Designation	Item no.		
Consumables kit	092-015253-00000		

SRP empty



- Empty box as a spare

Designation	Item no.		
Consumables box, empty	094-013586-00000		



Sets

SPB PHB/PMB 50A



- Replacement parts set for PHB 50 plasma torch
- Spare parts set, comprising:
 - 2 x gas nozzle
 - Welding attachment, 3 x 1.0 mm/3 x 1.2 mm/3 x 1.4 mm/3 x 1.6 mm/3 x 1.8 mm
 - 2 x compensating spring
 - 4 x O-ring 5 x 1.5 mm
 - 1 x threaded intermediate piece
 - 2 x 1.0-mm and 2 x 1.5-mm collet chuck
 - 4 x O-ring 4 x 10 mm
 - 1 x back cap
 - Special electrode, 2 x 1.0 x 62 mm and 2 x 1.5 x 62 mm
 - 2 x 1.0-mm and 2 x 1.5-mm gas duct insert
 - Insert tube, 2 x 1.0 mm and 2 x 1.5 mm
 - 1 x setting gauge
 - For torch type PHB 50

Designation	PU Unit	Item no.		
Consumables box PHB/PMB 50	1	094-002056-00000		

SPB PWH/PWM 100



- Replacement parts 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
 - For PWH 100 torch types

Designation	PU Unit	Item no.		
Consumables box, PWH/PWM 100	1	094-008270-00000		



SPB PWH/PWM 150



- Replacement parts set for PWH 150 plasma torch
- Spare parts set, comprising:
 - 1 x clamping module
 - 2 x O-ring
 - 2 x seal for nozzle
 - 2 x gas lens, large-pore
 - Gas nozzle, long, 1 x 11 mm and 1 x 9.5 mm
 - Gas nozzle, short, 1 x 11 mm and 1 x 12 mm
 - 2 x insert tube 1.5 mm
 - 1 x gas guide insert, 2.4 mm
 - Plasma nozzle, 2 x 1.2 mm/2 x 1.8 mm/2 x 2.4 mm/2 x 3.0 mm/2 x 3.2 mm/2 x 3.6 mm
 - Plasma nozzle, long, 2 x 1.2 mm/2 x 1.8 mm/2 x 2.4 mm/2 x 2.6 mm/2 x 3.0 mm/2 x 3.2 mm/2 x 3.6 mm
 - 2 x tungsten electrode, special
 - 2 x tungsten electrode
 - 1 x electrode setting gauge
 - 1 x nozzle key
 - 1 x back cap
- For PWH 150 torch types

Designation	PU Unit	Item no.		
Consumables box, PWH/PWM 150	1	094-009674-00000		

SPB PP AC



- Replacement parts set for AC Pluspol plasma torch
- Spare parts set, comprising:
 - 3 x retainer O-rings
 - 1 x collet chuck
 - 3 x seal for nozzle
 - Gas nozzle, short, 2 x 11 mm and 2 x 12 mm
 - 2 x insert tube
 - 3 x gas lens, large-pore
 - Plasma nozzle, 2 x 1.2 mm/2 x 1.6 mm/2 x 2.0 mm/2 x 2.4 mm
 - 5 x tungsten electrode, special
 - 1 x electrode setting gauge
 - 1 x back cap

Designation	PU Unit	Item no.		
Consumables box, plasma plus pole AC	1	094-008269-00000		

SPB EMPTY



- Empty box as a spare

Designation	PU Unit	Item no.		
Consumables box, empty	1	094-002054-00000		

Notes

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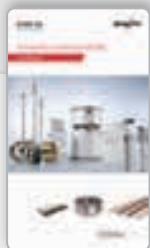
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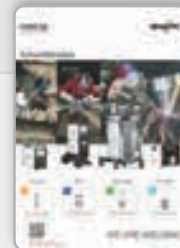
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