WE ARE WELDING

Catalogue 2019

PM MIG/MAG welding torches

Valid from 2019-08

Overview

PM MIG/MAG welding torch			Page
Gas-cooled	PM 221 G	PM 221 G	8
		PM 221 G LED	8
		PM 221 G 2U/D	9
		PM 221 G 2U/D X	9
		PM 221 G RD2 X	9
		PM 221 G RD3 X	10
		PM 221 CG	10
		PM 221 CG LED	10
		PM 221 CG 2U/D	11
		PM 221 CG 2U/D X	11
		PM 221 CG RD2 X	11
		PM 221 CG RD3 X	12
	PM 301 G	PM 301 G	14
		PM 301 G LED	14
		PM 301 G 2U/D	15
		PM 301 G 2U/D X	15
		PM 301 G RD2 X	15
		PM 301 G RD3 X	16
		PM 301 CG	16
		PM 301 CG LED	16
		PM 301 CG 2U/D	17
		PM 301 CG 2U/D X	17
		PM 301 CG RD2 X	17
		PM 301 CG RD3 X	18
	PM 401 G	PM 401 G	20
		PM 401 G LED	20
		PM 401 G 2U/D	21
		PM 401 G 2U/D X	21
		PM 401 G RD2 X	21
		PM 401 G RD3 X	22
Water-cooled	PM 301 W	PM 301 W	24
		PM 301 W LED	24
		PM 301 W 2U/D	25
		PM 301 W 2U/D X	25
		PM 301 W RD2 X	25
		PM 301 W RD3 X	26
		PM 301 CW	26
		PM 301 CW LED	26
		PM 301 CW 2U/D	27
		PM 301 CW 2U/D X	27
		PM 301 CW RD2 X	27
		PM 301 CW RD3 X	28

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM MIG/MAG welding torch			Page
Water-cooled	PM 451 W	PM 451 W	30
		PM 451 W LED	30
		PM 451 W 2U/D	31
		PM 451 W 2U/D X	31
		PM 451 W RD2 X	31
		PM 451 W RD3 X	32
		PM 451 CW	32
		PM 451 CW LED	32
		PM 451 CW 2U/D	33
		PM 451 CW 2U/D X	33
		PM 451 CW RD2 X	33
		PM 451 CW RD3 X	34
		PM 451 WL	34
		PM 451 WL LED	34
		PM 451 WL 2U/D	35
		PM 451 WL 2U/D X	35
		PM 451 WL RD2 X	35
		PM 451 WL RD3 X	36
		PM 451 WS	36
		PM 451 WS LED	36
		PM 451 WS 2U/D	37
		PM 451 WS 2U/D X	37
		PM 451 WS RD2 X	37
		PM 451 WS RD3 X	38
	PM 551 W	PM 551 W	40
		PM 551 W LED	40
		PM 551 W 2U/D	41
		PM 551 W 2U/D X	41
		PM 551 W RD2 X	41
		PM 551 W RD3 X	42
		PM 551 WL	42
		PM 551 WL LED	42
		PM 551 WL 2U/D	43
		PM 551 WL 2U/D X	43
		PM 551 WL RD2 X	43
		PM 551 WL RD3 X	44
		PM 551 WS	44
		PM 551 WS LED	44
		PM 551 WS 2U/D	45
		PM 551 WS 2U/D X	45
		PM 551 WS RD2 X	45
		PM 551 WS RD3 X	46
Replacement parts and accessories	Steel and plastic liners made to length		48
	Steel and plastic liners sold by the metre		52
	Consumables sets and accessories		54

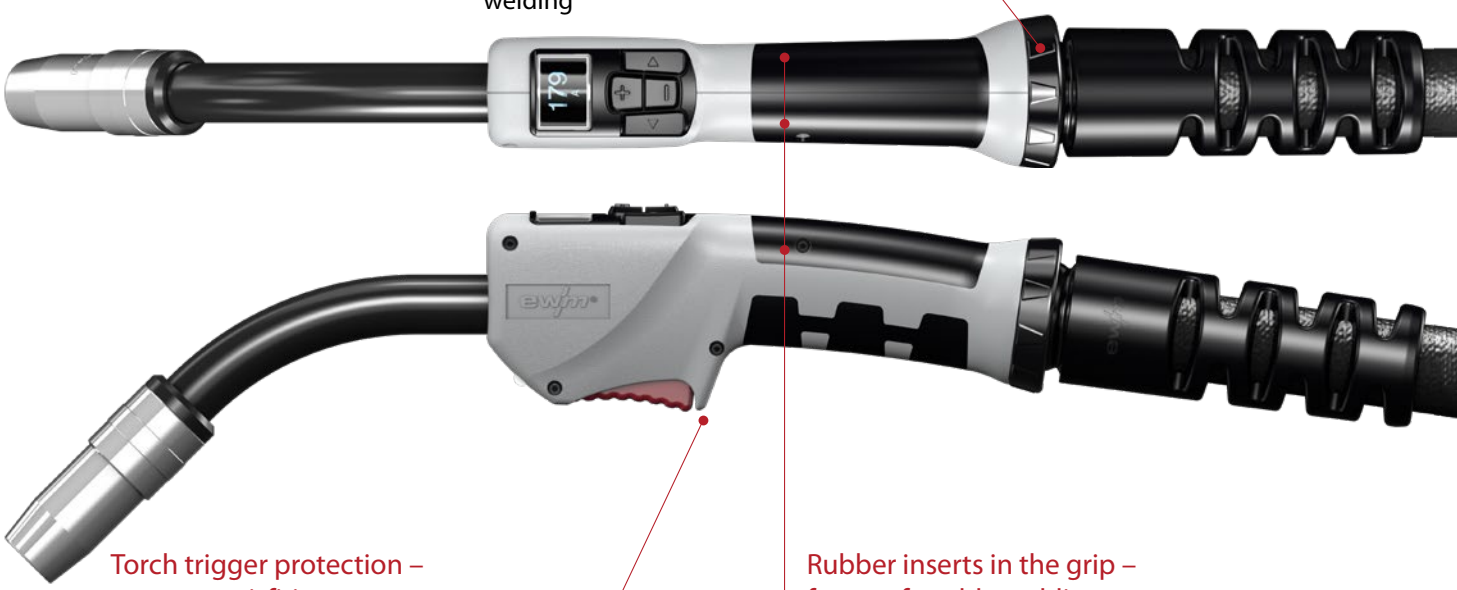
Professional welding torches from the PM series

They hold the promise of EWM.

The grips on the new PM welding torches are ergonomically optimised with rubber inserts so that they can be held comfortably and flexibly guided during welding. A particular advantage during positional welding, making work easier. The balanced design of the grips, the reduced weight of the welding torch and the innovative, compact design of the hose package with anti-kink device also help reduce welder fatigue. It keeps the amount of force required to guide the welding torch to a minimum. The practical control keys and graphic display on the function torch also increase efficiency. They can be used to set many functions of the welding machine directly onto the workpiece.

Compact ball joint – optimal range of movement in any position

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



Torch trigger protection – prevents misfiring

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

Rubber inserts in the grip – for comfortable welding

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

Your benefits

Reduce manufacturing costs – quality pays off

- Measurably less use of consumables such as the contact tip and gas nozzle
- Significantly less spatter means less finishing work due to precise gas flow
- Less consumption of shielding gas by avoiding gas loss

Long service life of the EWM contact tips

- No overheating – optimum heat transfer thanks to the 30% larger material cross-section and conical fit of the contact tip in the M7/M9 compared to conventional M6/M8 thread sizes

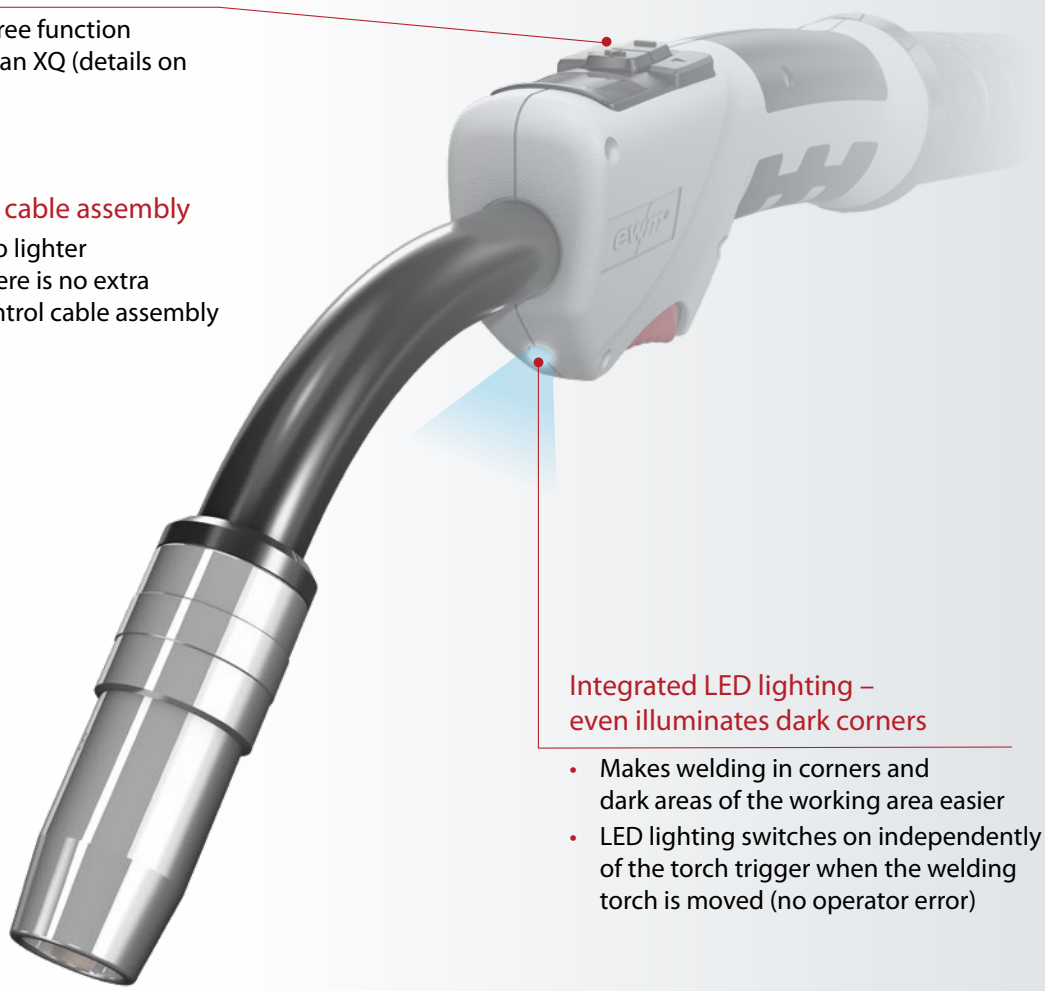
All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

Four operating variants – guaranteeing a good choice

- One standard torch and three function torches are available for Titan XQ (details on the following pages)

X technology – replaces additional control cable assembly

- Fatigue-free work thanks to lighter torch hose packages, as there is no extra weight from a separate control cable assembly



Integrated LED lighting – even illuminates dark corners

- Makes welding in corners and dark areas of the working area easier
- LED lighting switches on independently of the torch trigger when the welding torch is moved (no operator error)

Increased welding quality

- Errors are minimised thanks to interference-free wire guiding: 40% larger bend radius of the torch neck (from PM 401 G/PM 451 W)
- Best heat dissipation in the torch body and therefore minimal warming of the consumables
- Outstanding shielding gas coverage of the arc range
- Secure contact through screw-retained contact tip and gas nozzle

Versions

• PM series standard torch	PM 221/301/401 G PM 301/451/551 W
• PM S series short neck	PM 451/551 WS
• PM L series long neck	PM 451/551 WL
• PM C series replaceable neck	PM 221/301 CG PM 301/451 W

PM MIG/MAG welding torch

Type	PM 221 G	PM 301 G	PM 401 G
Operating variants	Standard or function torch		
Replaceable torch neck "C"	PM 221 CG	PM 301 CG	-
Cooling	Gas-cooled "G"	Gas-cooled "G"	Gas-cooled "G"
Welding current CO_2	250 A at 60% DC	330 A at 60% DC	450 A at 35% DC
Welding current M21	220 A at 60% DC	300 A at 60% DC	400 A at 35% DC
Pulse welding current M21	150 A at 60% DC	210 A at 60% DC	260 A at 35% DC
Shielding gas	Argon, mixed gas M21 or CO_2 conforming to DIN EN ISO 14175		
Wire diameter	0.8 to 1.2 mm	0.8 to 1.6 mm	0.8 to 2.0 mm
Gas flow	10 to 20 l/min	10 to 20 l/min	10 to 20 l/min
Hose package length	3 m / 4 m/5 m	3 m / 4 m/5 m	3 m / 4 m/5 m
Connection	Euro torch connector	Euro torch connector	Euro torch connector
Torch data in accordance with	DIN IEC 60974-7	DIN IEC 60974-7	DIN IEC 60974-7

Professional welding torches from the PM series:

PM CG/CW

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

PM long neck torch

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

PM short neck torch

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

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 301 W	PM 451 W/WS/WL	PM 551 W/WS/WL	Type
Standard or function torch			Operating variants
PM 301 CW	PM 451 CW	-	Replaceable torch neck "C"
Water-cooled "W"	Water-cooled "W"	Water-cooled "W"	Cooling
330 A at 100% DC	500 A at 100% DC	650 A at 100% DC	Welding current CO_2
290 A at 100% DC	450 A at 100% DC	550 A at 100% DC	Welding current M21
250 A at 100% DC	350 A at 100% DC	500 A at 100% DC	Pulse welding current M21
Argon, mixed gas M21 or CO_2 conforming to DIN EN ISO 14175			Shielding gas
0.8 to 1.2 mm	0.8 to 1.6 mm	0.8 to 2 mm	Wire diameter
10 to 25 l/min	10 to 25 l/min	10 to 25 l/min	Gas flow
3 m / 4 m/5 m	3 m / 4 m/5 m	3 m / 4 m/ 5 m	Hose package length
Euro torch connector	Euro torch connector	Euro torch connector	Connection
DIN IEC 60974-7	DIN IEC 60974-7	DIN IEC 60974-7	Torch data in accordance with

Four operating variants – guaranteeing a good choice.

RD3 X control

Display and setting of:
- Welding current and wire feed speed
- Voltage correction
- Program and JOB selection
- Welding process switching
- Faults and error messages

Xnet support:
- Selection of welding tasks according to welding sequence plan
- Component management

RD2 X control

Display and setting of:
- Welding current and wire feed speed
- Voltage correction
- Program and JOB selection

2U/D X control

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

Standard torch

Option for torch trigger on top also possible

PM 221 G

„Consumables PM 221 G“ on page 12

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

Equipment as supplied (steel wire Ø 1.0 mm):

- Gas nozzle Ø 13 mm; 66mm
- 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

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

PM 221 G

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

Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, gas-cooled	3.0	1	094-700000-00000
	4.0		094-700000-00004
	5.0		094-700000-00005

PM 221 G LED X

- Gas-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch with LED lighting, gas-cooled	3.0	1	094-700000-00900
	4.0		094-700000-00904
	5.0		094-700000-00905

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 221 G 2U/D

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

Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch, gas-cooled	3.0	1	094-700000-00800
	4.0		094-700000-00804
	5.0		094-700000-00805

PM 221 G 2U/D X

- Gas-cooled MIG/MAG function torch
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch, gas-cooled, with X technology	3.0	1	094-700000-00300
	4.0		094-700000-00304
	5.0		094-700000-00305

PM 221 G RD2 X

- Gas-cooled MIG/MAG function torch with high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, gas-cooled, with X technology	3.0	1	094-700000-00700
	4.0		094-700000-00704
	5.0		094-700000-00705

PM 221 G

„Consumables PM 221 G“ on page 12

PM 221 G RD3 X

- Gas-cooled MIG/MAG function torch with high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, gas-cooled, with X technology	3.0	1	094-700000-00600
	4.0		094-700000-00604
	5.0		094-700000-00605

PM 221 CG

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

Operating weight	1.06 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, gas-cooled, replaceable neck	3.0	1	094-700000-03000
	4.0		094-700000-03004
	5.0		094-700000-03005

PM 221 CG LED X

- Gas-cooled MIG/MAG welding torch with replaceable neck
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Operating weight	1.06 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch with LED lighting, gas-cooled, replaceable neck	3.0	1	094-700000-03900
	4.0		094-700000-03904
	5.0		094-700000-03905

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 221 CG 2U/D

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

Operating weight	1.06 kg

Designation	**Hose package length**	**PU**	**Item no.**
	m	**Unit**	
MIG/MAG welding torch, 2 up/down, gas cooled, replaceable neck	3.0	1	094-700000-03800
	4.0		094-700000-03804
	5.0		094-700000-03805

PM 221 CG 2U/D X

- Gas cooled MIG/MAG function torch with replaceable neck
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.06 kg

Designation	**Hose package length**	**PU**	**Item no.**
	m	**Unit**	
MIG/MAG function torch, gas-cooled, replaceable neck, X technology	3.0	1	094-700000-03300
	4.0		094-700000-03304
	5.0		094-700000-03305

PM 221 CG RD2 X

- Gas-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.06 kg

Designation	**Hose package length**	**PU**	**Item no.**
	m	**Unit**	
MIG/MAG function torch with OLED graphic display, gas-cooled, replaceable neck, X technology	3.0	1	094-700000-03700
	4.0		094-700000-03704
	5.0		094-700000-03705

PM 221 G

„Consumables PM 221 G“ on page 12

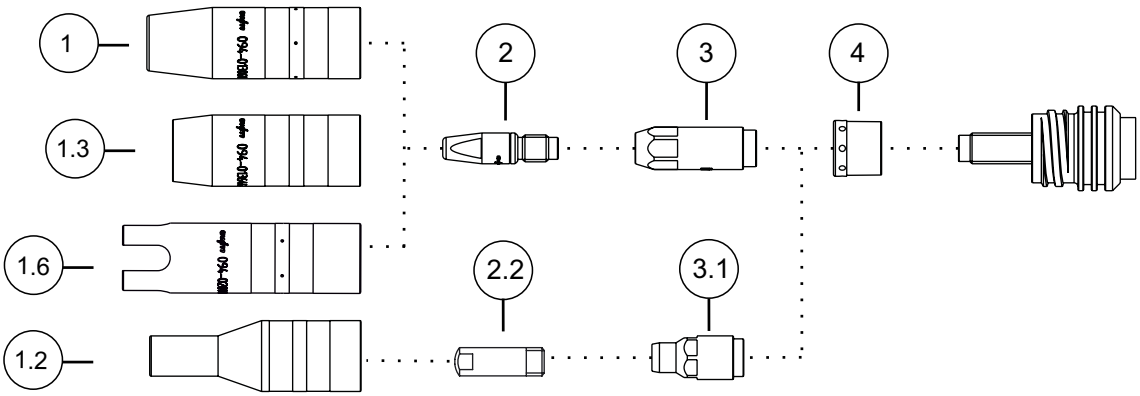
PM 221 CG RD3 X

- Gas-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.06 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch with OLED graphic display, gas-cooled, replaceable neck, X technology	3.0	1	094-700000-03600
	4.0		094-700000-03604
	5.0		094-700000-03605

Consumables PM 221 G



All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	PU Unit	Item no.
1.1	Gas nozzle	11	-	-	66	10	094-013062-00001
1.1	Gas nozzle	13	-	-	66	10	094-013061-00001
1.1	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	10	094-013535-00001
2	Contact tip	-	0.9	M7	30	10	094-013536-00001
2	Contact tip	-	1	M7	30	1	094-013537-00001
2	Contact tip	-	1.2	M7	30	10	094-013538-00001
2	Contact tip, aluminium welding	-	0.8	M7	30	10	094-013550-00000
2	Contact tip, aluminium welding	-	0.9	M7	30	10	094-013551-00000
2	Contact tip, aluminium welding	-	1	M7	30	10	094-013552-00000
2	Contact tip, aluminium welding	-	1.2	M7	30	10	094-013553-00000
2	Contact tip, aluminium welding	-	0.8	M6	28	10	094-016105-00000
2	Contact tip, aluminium welding	-	0.9	M6	28	10	094-016106-00000
2	Contact tip, aluminium welding	-	1	M6	28	10	094-016107-00000
2	Contact tip, aluminium welding	-	1.2	M6	28	10	094-016108-00000
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	Contact tip	-	0.8	M6	28	10	094-016101-00000
2	Contact tip	-	0.9	M6	28	10	094-016102-00000
2	Contact tip	-	1	M6	28	10	094-016103-00000
2	Contact tip	-	1.2	M6	28	10	094-016104-00000
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	Contact tip holder	-	-	M7	34.5	10	094-013542-00002
3	Contact tip holder	-	-	M7	31.5	10	094-013541-00002
3	Contact tip holder	-	-	M6	30.5	10	094-013069-00002
3	Contact tip holder	-	-	M6	33.5	10	094-013070-00002
3.1	Contact tip holder	-	-	M6	30.5	10	094-020562-00000
4	Gas diffuser	-	-	-	-	1	094-013094-00004
-	Torch key	-	-	-	-	1	094-016038-00001

PM 301 G

„Consumables PM 301 G“ on page 18

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

Equipment as supplied (steel wire Ø 1.0 mm):

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

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

PM 301 G

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

Operating weight	1.16 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, gas-cooled	3.0	1	094-700001-00000
	4.0		094-700001-00004
	5.0		094-700001-00005

PM 301 G LED X

- Gas-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Operating weight	1.16 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch with LED lighting, gas-cooled	3.0	1	094-700001-00900
	4.0		094-700001-00904
	5.0		094-700001-00905

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 301 G 2U/D

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

Operating weight	1.16 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch, gas-cooled	3.0	1	094-700001-00800
	4.0		094-700001-00804
	5.0		094-700001-00805

PM 301 G 2U/D X

- Gas-cooled MIG/MAG function torch
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.16 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch, gas-cooled, with X technology	3.0	1	094-700001-00300
	4.0		094-700001-00304
	5.0		094-700001-00305

PM 301 G RD2 X

- Gas-cooled MIG/MAG function torch with high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.16 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, gas-cooled, with X technology	3.0	1	094-700001-00700
	4.0		094-700001-00704
	5.0		094-700001-00705

PM 301 G

„Consumables PM 301 G“ on page 18

PM 301 G RD3 X

- Gas-cooled MIG/MAG function torch with high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.16 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, gas-cooled, with X technology	3.0	1	094-700001-00600
	4.0		094-700001-00604
	5.0		094-700001-00605

PM 301 CG

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

Operating weight	1.15 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, gas-cooled, replaceable neck	3.0	1	094-700001-03000
	4.0		094-700001-03004
	5.0		094-700001-03005

PM 301 CG LED X

- Gas-cooled MIG/MAG welding torch with replaceable neck
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Operating weight	1.15 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch with LED lighting, gas-cooled, replaceable neck	3.0	1	094-700001-03900
	4.0		094-700001-03904
	5.0		094-700001-03905

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 301 CG 2U/D

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

Operating weight	1.15 kg

Designation	**Hose package length**	**PU**	**Item no.**
	m	**Unit**	
MIG/MAG welding torch, 2 up/down, gas cooled, replaceable neck	3.0	1	094-700001-03800
	4.0		094-700001-03804
	5.0		094-700001-03805

PM 301 CG 2U/D X

- Gas cooled MIG/MAG function torch with replaceable neck
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.15 kg

Designation	**Hose package length**	**PU**	**Item no.**
	m	**Unit**	
MIG/MAG function torch, gas-cooled, replaceable neck, X technology	3.0	1	094-700001-03300
	4.0		094-700001-03304
	5.0		094-700001-03305

PM 301 CG RD2 X

- Gas-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.15 kg

Designation	**Hose package length**	**PU**	**Item no.**
	m	**Unit**	
MIG/MAG function torch with OLED graphic display, gas-cooled, replaceable neck, X technology	3.0	1	094-700001-03700
	4.0		094-700001-03704
	5.0		094-700001-03705

PM 301 G

„Consumables PM 301 G“ on page 18

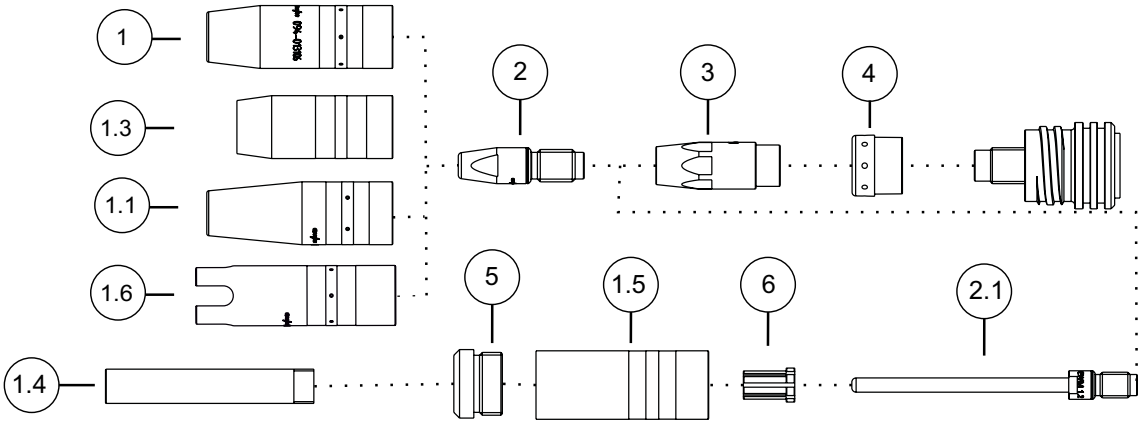
PM 301 CG RD3 X

- Gas-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.15 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch with OLED graphic display, gas-cooled, replaceable neck, X technology	3.0	1	094-700001-03600
	4.0		094-700001-03604
	5.0		094-700001-03605

Consumables PM 301 G



All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	PU Unit	Item no.
1	Gas nozzle, short	15	-	-	65	10	094-019821-00001
1	Gas nozzle, short	18	-	-	65	10	094-019822-00001
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
1.4	Gas nozzle, narrow gap welding	-	-	-	76	10	094-022226-00000
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	10	094-013528-00001
2	Contact tip	-	0.9	M9	35	10	094-013529-00001
2	Contact tip	-	1	M9	35	10	094-013530-00001
2	Contact tip	-	1.2	M9	35	10	094-013531-00001
2	Contact tip	-	1.4	M9	35	10	094-013532-00001
2	Contact tip	-	1.6	M9	35	10	094-013533-00001
2	Contact tip, aluminium welding	-	0.8	M9	35	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	10	094-013548-00000
2	Contact tip, aluminium welding	-	0.8	M8	30	10	094-016115-00000
2	Contact tip, aluminium welding	-	0.9	M8	30	10	094-016116-00000
2	Contact tip, aluminium welding	-	1	M8	30	10	094-016117-00000
2	Contact tip, aluminium welding	-	1.2	M8	30	10	094-016118-00000
2	Contact tip, aluminium welding	-	1.4	M8	30	10	094-016119-00000
2	Contact tip, aluminium welding	-	1.6	M8	30	10	094-016120-00000
2	Contact tip	-	0.8	M8	30	10	094-014024-00000
2	Contact tip	-	0.9	M8	30	10	094-013129-00000
2	Contact tip	-	1	M8	30	10	094-014222-00000
2	Contact tip	-	1.2	M8	30	10	094-013113-00000
2	Contact tip	-	1.4	M8	30	10	094-014191-00000
2	Contact tip	-	1.6	M8	30	10	094-014192-00000
2	Contact tip	-	0.8	M8	30	10	094-016109-00000
2	Contact tip	-	0.9	M8	30	10	094-016110-00000
2	Contact tip	-	1	M8	30	10	094-016111-00000
2	Contact tip	-	1.2	M8	30	10	094-007238-00000
2	Contact tip	-	1.4	M8	30	10	094-016112-00000
2	Contact tip	-	1.6	M8	30	10	094-016113-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	10	094-013540-00002
3	Contact tip holder	-	-	M8	34.1	10	094-013109-00002
3	Contact tip holder	-	-	M8	37.1	10	094-013110-00002
4	Gas diffuser	-	-	-	-	10	094-013096-00004
5	Capillary tube	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	10	094-019627-00000
-	Torch key	-	-	-	-	1	094-016038-00001

PM 401 G

„Consumables PM 401 G“ on page 22

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

Equipment as supplied (steel wire Ø 1.2 mm):

- Gas nozzle Ø 17 mm; 66 mm
- Gas diffuser Ø 20 mm; 21.5 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm and contact tip holderM9 x 35 mm
- Steel liner red; Ø 2 mm x 4.6 mm

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

PM 401 G

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

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, gas-cooled	3.0	1	094-700002-00000
	4.0		094-700002-00004
	5.0		094-700002-00005

PM 401 G LED X

- Gas-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch with LED lighting, gas-cooled	3.0	1	094-700002-00900
	4.0		094-700002-00904
	5.0		094-700002-00905

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 401 G 2U/D

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

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch, gas-cooled	3.0	1	094-700002-00800
	5.0		094-700002-00805
	4.0		094-700002-00804

PM 401 G 2U/D X

- Gas-cooled MIG/MAG function torch
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch, gas-cooled, with X technology	3.0	1	094-700002-00300
	4.0		094-700002-00304
	5.0		094-700002-00305

PM 401 G RD2 X

- Gas-cooled MIG/MAG function torch with high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch with OLED graphic display, gas-cooled, with X technology	3.0	1	094-700002-00700
	4.0		094-700002-00704
	5.0		094-700002-00705

PM 401 G

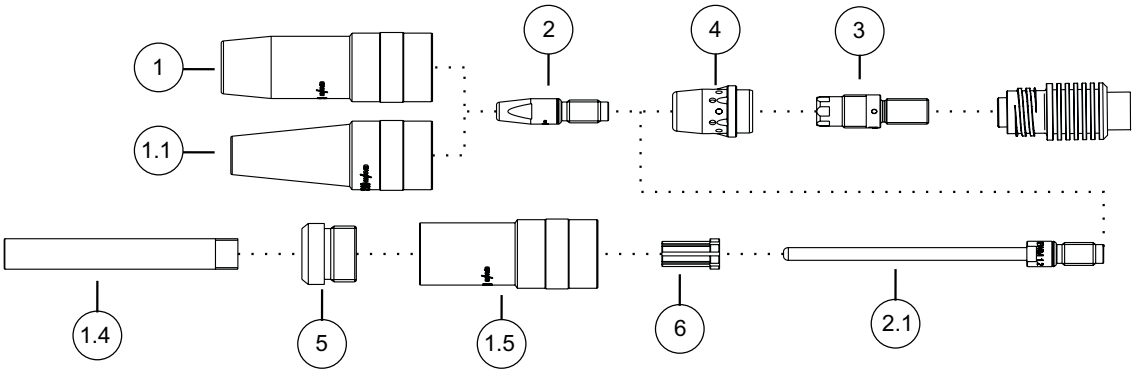
„Consumables PM 401 G“ on page 22

PM 401 G RD3 X

- Gas-cooled MIG/MAG function torch with high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch with OLED graphic display, gas-cooled, with X technology	3.0	1	094-700002-00600
	4.0		094-700002-00604
	5.0		094-700002-00605

Consumables PM 401 G



All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	PU Unit	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
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	66	10	094-022227-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	10	094-019626-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	76	10	094-022226-00000
1.5	Gas nozzle body	-	-	-	-	10	094-019624-00000
2	Contact tip	-	0.8	M9	35	10	094-013528-00001
2	Contact tip	-	0.9	M9	35	10	094-013529-00001
2	Contact tip	-	1	M9	35	10	094-013530-00001
2	Contact tip	-	1.2	M9	35	10	094-013531-00001
2	Contact tip	-	1.4	M9	35	10	094-013532-00001
2	Contact tip	-	1.6	M9	35	10	094-013533-00001
2	Contact tip	-	2	M9	35		094-013534-00001
2	Contact tip, aluminium welding	-	0.8	M9	35	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	10	094-013548-00000
2	Contact tip, aluminium welding	-	2	M9	35	10	094-013549-00000
2	Contact tip, aluminium welding	-	0.8	M8	30	10	094-016115-00000
2	Contact tip, aluminium welding	-	0.9	M8	30	10	094-016116-00000
2	Contact tip, aluminium welding	-	1	M8	30	10	094-016117-00000
2	Contact tip, aluminium welding	-	1.2	M8	30	10	094-016118-00000
2	Contact tip, aluminium welding	-	1.4	M8	30	10	094-016119-00000
2	Contact tip, aluminium welding	-	1.6	M8	30	10	094-016120-00000
2	Contact tip, aluminium welding	-	2	M8	30	10	094-016920-00000
2	Contact tip	-	0.8	M8	30	10	094-014024-00000
2	Contact tip	-	0.9	M8	30	10	094-013129-00000
2	Contact tip	-	1	M8	30	10	094-014222-00000
2	Contact tip	-	1.2	M8	30	10	094-013113-00000
2	Contact tip	-	1.4	M8	30	10	094-014191-00000
2	Contact tip	-	1.6	M8	30	10	094-014192-00000
2	Contact tip	-	2	M8	30	10	094-014193-00000
2	Contact tip	-	0.8	M8	30	10	094-016109-00000
2	Contact tip	-	0.9	M8	30	10	094-016110-00000
2	Contact tip	-	1	M8	30	10	094-016111-00000
2	Contact tip	-	1.2	M8	30	10	094-007238-00000
2	Contact tip	-	1.4	M8	30	10	094-016112-00000
2	Contact tip	-	1.6	M8	30	10	094-016113-00000
2	Contact tip	-	2	M8	30	10	094-016114-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	10	094-019618-00000
3	Contact tip holder	-	-	M8	34.5	10	094-015489-00003
3	Contact tip holder	-	-	M8	37.5	10	094-016018-00003
3	Contact tip holder	-	-	M9	35	10	094-013856-00003
3	Contact tip holder	-	-	M9	38	10	094-016425-00003
4	Gas diffuser	20.2	-	-	25	10	094-013111-00002
5	Capillary tube	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	10	094-019627-00000
-	Torch key	-	-	-	-	1	094-016038-00001

PM 301 W

„Consumables PM 301 W“ on page 28

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

Equipment as supplied (steel wire 1.2 mm):

- Gas nozzle Ø 13 mm; 66 mm
- Gas diffuser Ø 14.5 mm; 12.5 mm
- Contact tip M7 x 30 mm; Ø 1.2 mm and contact tip holderM7 x 31.5 mm
- Steel liner red; Ø 2 mm x 4.6 mm

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

PM 301 W

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

Operating weight	1.03 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, water-cooled	3.0	1	094-700003-00000
	4.0		094-700003-00004
	5.0		094-700003-00005

PM 301 W LED X

- Water-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Operating weight	1.03 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch with LED lighting, water-cooled	3.0	1	094-700003-00900
	4.0		094-700003-00904
	5.0		094-700003-00905

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 301 W 2U/D

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

Operating weight	1.03 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch, water-cooled	3.0	1	094-700003-00800
	4.0		094-700003-00804
	5.0		094-700003-00805

PM 301 W 2U/D X

- Water-cooled MIG/MAG function torch
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.03 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch, water-cooled, with X technology	3.0	1	094-700003-00300
	4.0		094-700003-00304
	5.0		094-700003-00305

PM 301 W RD2 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.03 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, water-cooled, X technology	3.0	1	094-700003-00700
	4.0		094-700003-00704
	5.0		094-700003-00705

PM 301 W

„Consumables PM 301 W“ on page 28

PM 301 W RD3 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.03 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, water-cooled, X technology	3.0	1	094-700003-00600
	4.0		094-700003-00604
	5.0		094-700003-00605

PM 301 CW

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

Operating weight	1.13 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, water-cooled, replaceable neck	3.0	1	094-700003-03000
	4.0		094-700003-03004
	5.0		094-700003-03005

PM 301 CW LED X

- Water-cooled MIG/MAG welding torch with replaceable neck
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Operating weight	1.13 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch with LED lighting, water-cooled, replaceable neck	3.0	1	094-700003-03900
	4.0		094-700003-03904
	5.0		094-700003-03905

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 301 CW 2U/D

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

Operating weight	1.13 kg

Designation	**Hose package length**	**PU**	**Item no.**
	m	**Unit**	
MIG/MAG function torch, water-cooled, replaceable neck	3.0	1	094-700003-03800
	4.0		094-700003-03804
	5.0		094-700003-03805

PM 301 CW 2U/D X

- Water cooled MIG/MAG function torch with replaceable neck
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.13 kg

Designation	**Hose package length**	**PU**	**Item no.**
	m	**Unit**	
MIG/MAG function torch, water-cooled, X technology, replaceable neck	3.0	1	094-700003-03300
	4.0		094-700003-03304
	5.0		094-700003-03305

PM 301 CW RD2 X

- Water-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.13 kg

Designation	**Hose package length**	**PU**	**Item no.**
	m	**Unit**	
MIG/MAG function torch with OLED graphic display, water-cooled, X technology, replaceable neck	3.0	1	094-700003-03700
	4.0		094-700003-03704
	5.0		094-700003-03705

PM 301 W

„Consumables PM 301 W“ on page 28

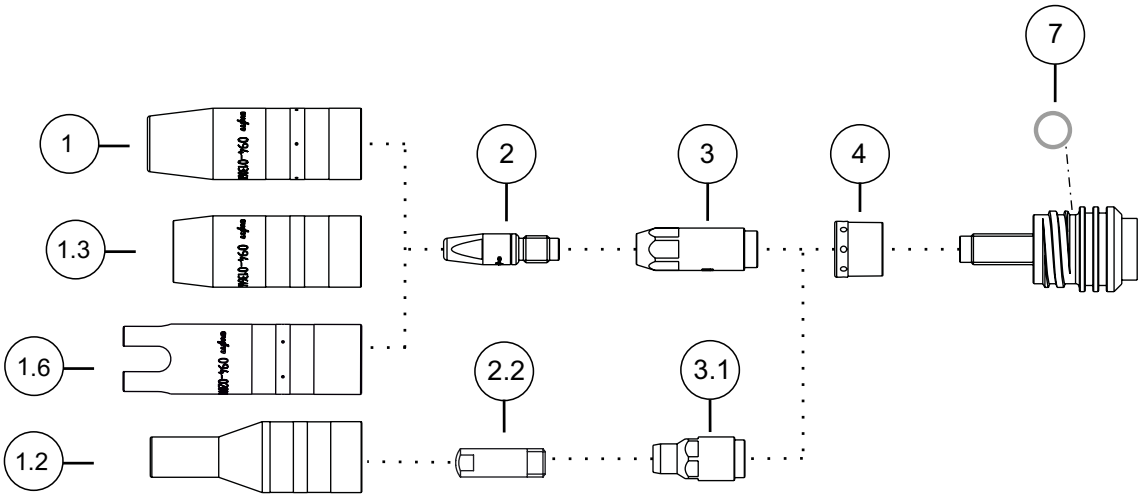
PM 301 CW RD3 X

- Water-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Operating weight	1.13 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch with OLED graphic display, water-cooled, X technology, replaceable neck	3.0	1	094-700003-03600
	4.0		094-700003-03604
	5.0		094-700003-03605

Consumables PM 301 W



All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	PU Unit	Item no.
1.1	Gas nozzle	11	-	-	66	10	094-013062-00001
1.1	Gas nozzle	13	-	-	66	10	094-013061-00001
1.1	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	10	094-013535-00001
2	Contact tip	-	0.9	M7	30	10	094-013536-00001
2	Contact tip	-	1	M7	30	1	094-013537-00001
2	Contact tip	-	1.2	M7	30	10	094-013538-00001
2	Contact tip, aluminium welding	-	0.8	M7	30	10	094-013550-00000
2	Contact tip, aluminium welding	-	0.9	M7	30	10	094-013551-00000
2	Contact tip, aluminium welding	-	1	M7	30	10	094-013552-00000
2	Contact tip, aluminium welding	-	1.2	M7	30	10	094-013553-00000
2	Contact tip, aluminium welding	-	0.8	M6	28	10	094-016105-00000
2	Contact tip, aluminium welding	-	0.9	M6	28	10	094-016106-00000
2	Contact tip, aluminium welding	-	1	M6	28	10	094-016107-00000
2	Contact tip, aluminium welding	-	1.2	M6	28	10	094-016108-00000
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	Contact tip	-	0.8	M6	28	10	094-016101-00000
2	Contact tip	-	0.9	M6	28	10	094-016102-00000
2	Contact tip	-	1	M6	28	10	094-016103-00000
2	Contact tip	-	1.2	M6	28	10	094-016104-00000
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	Contact tip holder	-	-	M7	34.5	10	094-013542-00002
3	Contact tip holder	-	-	M7	31.5	10	094-013541-00002
3	Contact tip holder	-	-	M6	30.5	10	094-013069-00002
3	Contact tip holder	-	-	M6	33.5	10	094-013070-00002
3.1	Contact tip holder	-	-	M6	30.5	10	094-020562-00000
4	Gas diffuser	-	-	-	-	1	094-013094-00004
5	O-ring	-	-	-	-		094-025320-00000
-	Torch key	-	-	-	-	1	094-016038-00001

PM 451 W

„Consumables PM 451 W“ on page 38

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

Equipment as supplied (steel wire Ø 1.2 mm):

- Gas nozzle Ø 15 mm; 71 mm
- Gas diffuser Ø 17 mm: 14 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm and contact tip holderM9 x 34.5 mm
- Steel liner red; Ø 2 mm x 4.6 mm

Wire Ø	0.8 mm - 1.6 mm
Connection	Euro torch connector
Duty cycle CO2	500 A / 100 %
Duty cycle M21	450 A / 100 %
Duty cycle M21 pulse	350 A / 100 %

PM 451 W

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

Bend angle torch neck	45 °
Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, water-cooled	3.0	1	094-700004-00000
	4.0		094-700004-00004
	5.0		094-700004-00005
	6,5		094-700004-00065

PM 451 W LED X

- Water-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch with LED lighting, water-cooled	3.0	1	094-700004-00900
	4.0		094-700004-00904
	5.0		094-700004-00905
	6,5		094-700004-00965

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 451 W 2U/D

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

Bend angle torch neck	45 °
Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch, water-cooled	3.0	1	094-700004-00800
	4.0		094-700004-00804
	5.0		094-700004-00805

PM 451 W 2U/D X

- Water-cooled MIG/MAG function torch
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch, water-cooled, with X technology	3.0	1	094-700004-00300
	4.0		094-700004-00304
	5.0		094-700004-00305

PM 451 W RD2 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, water-cooled, X technology	3.0	1	094-700004-00700
	4.0		094-700004-00704
	5.0		094-700004-00705

PM 451 W

„Consumables PM 451 W“ on page 38

PM 451 W RD3 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, water-cooled, X technology	3.0	1	094-700004-00600
	4.0		094-700004-00604
	5.0		094-700004-00605
	6,5		094-700004-00665

PM 451 CW

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

Bend angle torch neck	45 °
Operating weight	1.28 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, water-cooled, replaceable neck	3.0	1	094-700004-03000
	4.0		094-700004-03004
	5.0		094-700004-03005
	6,5		094-700004-03065

PM 451 CW LED X

- Water-cooled MIG/MAG welding torch with replaceable neck
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Bend angle torch neck	45 °
Operating weight	1.28 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch with LED lighting, water-cooled, replaceable neck	3.0	1	094-700004-03900
	4.0		094-700004-03904
	5.0		094-700004-03905
	6,5		094-700004-03965

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 451 CW 2U/D

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

Bend angle torch neck	45 °
Operating weight	1.28 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch, water-cooled, replaceable neck	3.0	1	094-700004-03800
	4.0		094-700004-03804
	5.0		094-700004-03805

PM 451 CW 2U/D X

- Water cooled MIG/MAG function torch with replaceable neck
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.28 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch, water-cooled, X technology, replaceable neck	3.0	1	094-700004-03300
	4.0		094-700004-03304
	5.0		094-700004-03305

PM 451 CW RD2 X

- Water-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.28 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, water-cooled, X technology, replaceable neck	3.0	1	094-700004-03700
	4.0		094-700004-03704
	5.0		094-700004-03705

PM 451 W

„Consumables PM 451 W“ on page 38

PM 451 CW RD3 X

- Water-cooled MIG/MAG function torch with replaceable neck and high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.28 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch with OLED graphic display, water-cooled, X technology, replaceable neck	3.0	1	094-700004-03600
	4.0		094-700004-03604
	5.0		094-700004-03605
	6,5		094-700004-03665

PM 451 WL

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

Bend angle torch neck	45 °
Operating weight	1.15 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG welding torch, water-cooled, long torch neck	3.0	1	094-700004-20000
	4.0		094-700004-20004
	5.0		094-700004-20005
	6,5		094-700004-20065

PM 451 WL LED X

- Water-cooled MIG/MAG welding torch
- Torch neck 46 mm longer compared to standard torch
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Bend angle torch neck	45 °
Operating weight	1.15 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG welding torch with LED lighting, water-cooled, long torch neck	3.0	1	094-700004-20900
	4.0		094-700004-20904
	5.0		094-700004-20905
	6,5		094-700004-20965

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 451 WL 2U/D

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

Bend angle torch neck	45 °
Operating weight	1.15 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch, water-cooled, long torch neck	3.0	1	094-700004-20800
	4.0		094-700004-20804
	5.0		094-700004-20805

PM 451 WL 2U/D X

- Water-cooled MIG/MAG function torch
- Torch neck 46 mm longer compared to standard torch
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.15 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch, water-cooled, long torch neck, X technology	3.0	1	094-700004-20300
	4.0		094-700004-20304
	5.0		094-700004-20305

PM 451 WL RD2 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 46 mm longer compared to standard torch
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.15 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch with OLED graphic display, water-cooled, long torch neck, X technology	3.0	1	094-700004-20700
	4.0		094-700004-20704
	5.0		094-700004-20705

PM 451 W

„Consumables PM 451 W“ on page 38

PM 451 WL RD3 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 46 mm longer compared to standard torch
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.15 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, water-cooled, long torch neck, X technology	3.0	1	094-700004-20600
	4.0		094-700004-20604
	5.0		094-700004-20605
	6,5		094-700004-20665

PM 451 WS

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

Bend angle torch neck	45 °
Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, water-cooled, short torch neck	3.0	1	094-700004-30000
	4.0		094-700004-30004
	5.0		094-700004-30005
	6,5		094-700004-30065

PM 451 WS LED X

- Water-cooled MIG/MAG welding torch
- Torch neck 35 mm shorter compared to standard torch
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Bend angle torch neck	45 °
Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch with LED lighting, water-cooled, short torch neck	3.0	1	094-700004-30900
	4.0		094-700004-30904
	5.0		094-700004-30905
	6,5		094-700004-30965

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 451 WS 2U/D

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

Bend angle torch neck	45 °
Operating weight	1.09 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch, water-cooled, short torch neck	3.0	1	094-700004-30800
	4.0		094-700004-30804
	5.0		094-700004-30805

PM 451 WS 2U/D X

- Water-cooled MIG/MAG function torch
- Torch neck 35 mm shorter compared to standard torch
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Bend angle torch neck	45 °
Operating weight	1.09 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch, water-cooled, short torch neck, X technology	3.0	1	094-700004-30300
	4.0		094-700004-30304
	5.0		094-700004-30305

PM 451 WS RD2 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 35 mm shorter compared to standard torch
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.09 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch with OLED graphic display, short torch neck, water-cooled, with X technology	3.0	1	094-700004-30700
	4.0		094-700004-30704
	5.0		094-700004-30705

PM 451 W

„Consumables PM 451 W“ on page 38

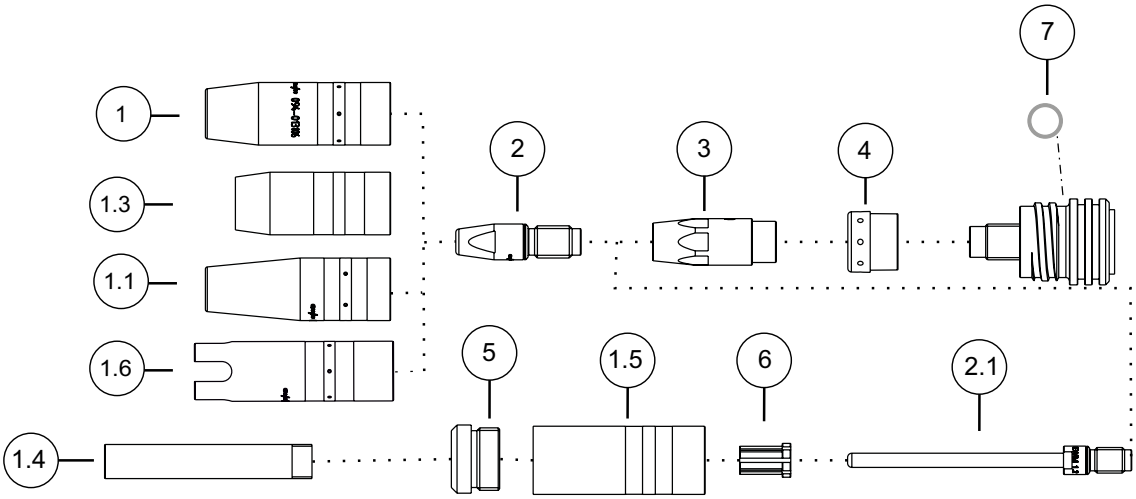
PM 451 WS RD3 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 35 mm shorter compared to standard torch
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.09 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, short torch neck, water-cooled, with X technology	3.0	1	094-700004-30600
	4.0		094-700004-30604
	5.0		094-700004-30605
	6,5		094-700004-30665

Consumables PM 451 W



All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	PU Unit	Item no.
1	Gas nozzle, short	15	-	-	65	10	094-019821-00001
1	Gas nozzle, short	18	-	-	65	10	094-019822-00001
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
1.4	Gas nozzle, narrow gap welding	-	-	-	76	10	094-022226-00000
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	10	094-013528-00001
2	Contact tip	-	0.9	M9	35	10	094-013529-00001
2	Contact tip	-	1	M9	35	10	094-013530-00001
2	Contact tip	-	1.2	M9	35	10	094-013531-00001
2	Contact tip	-	1.4	M9	35	10	094-013532-00001
2	Contact tip	-	1.6	M9	35	10	094-013533-00001
2	Contact tip, aluminium welding	-	0.8	M9	35	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	10	094-013548-00000
2	Contact tip, aluminium welding	-	0.8	M8	30	10	094-016115-00000
2	Contact tip, aluminium welding	-	0.9	M8	30	10	094-016116-00000
2	Contact tip, aluminium welding	-	1	M8	30	10	094-016117-00000
2	Contact tip, aluminium welding	-	1.2	M8	30	10	094-016118-00000
2	Contact tip, aluminium welding	-	1.4	M8	30	10	094-016119-00000
2	Contact tip, aluminium welding	-	1.6	M8	30	10	094-016120-00000
2	Contact tip	-	0.8	M8	30	10	094-014024-00000
2	Contact tip	-	0.9	M8	30	10	094-013129-00000
2	Contact tip	-	1	M8	30	10	094-014222-00000
2	Contact tip	-	1.2	M8	30	10	094-013113-00000
2	Contact tip	-	1.4	M8	30	10	094-014191-00000
2	Contact tip	-	1.6	M8	30	10	094-014192-00000
2	Contact tip	-	0.8	M8	30	10	094-016109-00000
2	Contact tip	-	0.9	M8	30	10	094-016110-00000
2	Contact tip	-	1	M8	30	10	094-016111-00000
2	Contact tip	-	1.2	M8	30	10	094-007238-00000
2	Contact tip	-	1.4	M8	30	10	094-016112-00000
2	Contact tip	-	1.6	M8	30	10	094-016113-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	10	094-019618-00000
3	Contact tip holder	-	-	M9	34.5	10	094-013539-00002
3	Contact tip holder	-	-	M9	37.5	10	094-013540-00002
3	Contact tip holder	-	-	M8	34.1	10	094-013109-00002
3	Contact tip holder	-	-	M8	37.1	10	094-013110-00002
4	Gas diffuser	-	-	-	-	10	094-013096-00004
5	Capillary tube	-	-	-	-	1	094-019625-00000
5	O-ring	-	-	-	-		094-025089-00000
6	Centring sleeve	-	-	-	-	10	094-019627-00000
-	Torch key	-	-	-	-	1	094-016038-00001

PM 551 W

„Consumables PM 551 W“ on page 46

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

Equipment as supplied (steel wire Ø 1.2 mm):

- Gas nozzle Ø 17 mm; 66 mm
- Gas diffuser Ø 20 mm; 21.5 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm and contact tip holderM9 x 35 mm
- Steel liner red; Ø 2 mm x 4.6 mm

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

PM 551 W

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

Bend angle torch neck	45 °
Operating weight	1.1 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, water-cooled	3.0	1	094-700005-00000
	4.0		094-700005-00004
	5.0		094-700005-00005
	6,5		094-700005-00065

PM 551 W LED X

- Water-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Bend angle torch neck	45 °
Operating weight	1.1 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch with LED lighting, water-cooled	3.0	1	094-700005-00900
	4.0		094-700005-00904
	5.0		094-700005-00905
	6,5		094-700005-00965

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 551 W 2U/D

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

Bend angle torch neck	45 °
Operating weight	1.1 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch, water-cooled	3.0	1	094-700005-00800
	4.0		094-700005-00804
	5.0		094-700005-00805

PM 551 W 2U/D X

- Water-cooled MIG/MAG function torch
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.1 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch, water-cooled, with X technology	3.0	1	094-700005-00300
	4.0		094-700005-00304
	5.0		094-700005-00305

PM 551 W RD2 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.1 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, water-cooled, X technology	3.0	1	094-700005-00700
	4.0		094-700005-00704
	5.0		094-700005-00705

PM 551 W

„Consumables PM 551 W“ on page 46

PM 551 W RD3 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.1 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, water-cooled, X technology	3.0	1	094-700005-00600
	4.0		094-700005-00604
	5.0		094-700005-00605
	6,5		094-700005-00665

PM 551 WL

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

Bend angle torch neck	45 °
Operating weight	1.16 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, water-cooled, long torch neck	3.0	1	094-700005-20000
	4.0		094-700005-20004
	5.0		094-700005-20005
	6,5		094-700005-20065

PM 551 WL LED X

- Water-cooled MIG/MAG welding torch
- Torch neck 48 mm longer compared to standard torch
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Bend angle torch neck	45 °
Operating weight	1.16 kg

Designation	PU Unit	Item no.
MIG/MAG welding torch with LED lighting, water-cooled, long torch neck	1	094-700005-20900
		094-700005-20904
		094-700005-20905
		094-700005-20965

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 551 WL 2U/D

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

Bend angle torch neck	45 °
Operating weight	1.16 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG welding torch, 2 Up/Down, water cooled, long torch neck	3.0	1	094-700005-20800
	4.0		094-700005-20804
	5.0		094-700005-20805

PM 551 WL 2U/D X

- Water-cooled MIG/MAG function torch
- Torch neck 48 mm longer compared to standard torch
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.16 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch, water-cooled, long torch neck, X technology	3.0	1	094-700005-20300
	4.0		094-700005-20304
	5.0		094-700005-20305

PM 551 WL RD2 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 48 mm longer compared to standard torch
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.16 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch with OLED graphic display, water-cooled, long torch neck, X technology	3.0	1	094-700005-20700
	4.0		094-700005-20704
	5.0		094-700005-20705

PM 551 W

„Consumables PM 551 W“ on page 46

PM 551 WL RD3 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 48 mm longer compared to standard torch
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	45 °
Operating weight	1.16 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, water-cooled, long torch neck, X technology	3.0	1	094-700005-20600
	4.0		094-700005-20604
	5.0		094-700005-20605
	6,5		094-700005-20665

PM 551 WS

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

Bend angle torch neck	36 °
Operating weight	1.1 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, water-cooled, short torch neck	3.0	1	094-700005-30000
	4.0		094-700005-30004
	5.0		094-700005-30005
	6,5		094-700005-30065

PM 551 WS LED X

- Water-cooled MIG/MAG welding torch
- Torch neck 23 mm shorter compared to standard torch
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines

Bend angle torch neck	36 °
Operating weight	1.1 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch with LED lighting, water-cooled, short torch neck	3.0	1	094-700005-30900
	4.0		094-700005-30904
	5.0		094-700005-30905
	6,5		094-700005-30965

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PM 551 WS 2U/D

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

Bend angle torch neck	35 °
Operating weight	1.1 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch, water-cooled, short torch neck	3.0	1	094-700005-30800
	4.0		094-700005-30804
	5.0		094-700005-30805

PM 551 WS 2U/D X

- Water-cooled MIG/MAG function torch
- Torch neck 23 mm shorter compared to standard torch
  - **Setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	36 °
Operating weight	1.1 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch, water-cooled, short torch neck, X technology	3.0	1	094-700005-30300
	4.0		094-700005-30304
	5.0		094-700005-30305

PM 551 WS RD2 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 23 mm shorter compared to standard torch
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	36 °
Operating weight	1.1 kg

Designation	Hose package length	PU	Item no.
	m	Unit	
MIG/MAG function torch with OLED graphic display, short torch neck, water-cooled, with X technology	3.0	1	094-700005-30700
	4.0		094-700005-30704
	5.0		094-700005-30705

PM 551 W

„Consumables PM 551 W“ on page 46

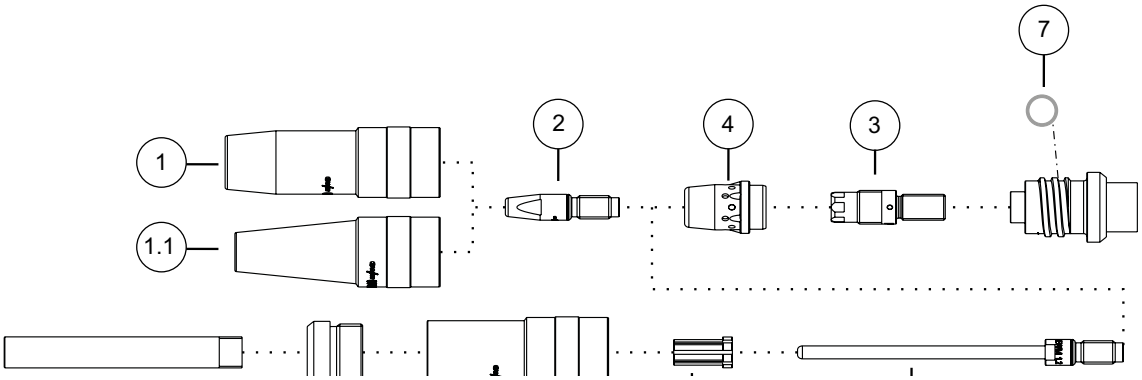
PM 551 WS RD3 X

- Water-cooled MIG/MAG function torch with high-quality OLED graphic display
- Torch neck 23 mm shorter compared to standard torch
  - **Display and setting of:**
  - Welding current and wire feed speed
  - Voltage correction
  - Program and JOB selection
  - Welding process switching
  - Faults and error messages
  - **Xnet support:**
  - Selection of welding tasks according to welding sequence plan
  - Component management
- Automatic LED lighting when the welding torch is moved
- Only suitable for Titan XQ puls and EWM Multimatrix welding machines
- Safe and rugged; without control cable and additional connector plug

Bend angle torch neck	36 °
Operating weight	1.1 kg

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG function torch with OLED graphic display, short torch neck, water-cooled, with X technology	3.0	1	094-700005-30600
	4.0		094-700005-30604
	5.0		094-700005-30605
	6,5		094-700005-30665

Consumables PM 551 W



All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

Item	Designation	Nozzle Ø mm	Wire Ø mm	Thread	Length mm	PU Unit	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
1.1	Gas nozzle, very conical, narrow gap welding	13	-	-	66	10	094-022227-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	73	10	094-019626-00000
1.4	Gas nozzle, narrow gap welding	-	-	-	76	10	094-022226-00000
1.5	Gas nozzle body	-	-	-	-	10	094-019624-00000
2	Contact tip	-	0.8	M9	35	10	094-013528-00001
2	Contact tip	-	0.9	M9	35	10	094-013529-00001
2	Contact tip	-	1	M9	35	10	094-013530-00001
2	Contact tip	-	1.2	M9	35	10	094-013531-00001
2	Contact tip	-	1.4	M9	35	10	094-013532-00001
2	Contact tip	-	1.6	M9	35	10	094-013533-00001
2	Contact tip	-	2	M9	35		094-013534-00001
2	Contact tip, aluminium welding	-	0.8	M9	35	10	094-013543-00000
2	Contact tip, aluminium welding	-	0.9	M9	35	10	094-013544-00000
2	Contact tip, aluminium welding	-	1	M9	35	10	094-013545-00000
2	Contact tip, aluminium welding	-	1.2	M9	35	10	094-013546-00000
2	Contact tip, aluminium welding	-	1.4	M9	35	10	094-013547-00000
2	Contact tip, aluminium welding	-	1.6	M9	35	10	094-013548-00000
2	Contact tip, aluminium welding	-	2	M9	35	10	094-013549-00000
2	Contact tip, aluminium welding	-	0.8	M8	30	10	094-016115-00000
2	Contact tip, aluminium welding	-	0.9	M8	30	10	094-016116-00000
2	Contact tip, aluminium welding	-	1	M8	30	10	094-016117-00000
2	Contact tip, aluminium welding	-	1.2	M8	30	10	094-016118-00000
2	Contact tip, aluminium welding	-	1.4	M8	30	10	094-016119-00000
2	Contact tip, aluminium welding	-	1.6	M8	30	10	094-016120-00000
2	Contact tip, aluminium welding	-	2	M8	30	10	094-016920-00000
2	Contact tip	-	0.8	M8	30	10	094-014024-00000
2	Contact tip	-	0.9	M8	30	10	094-013129-00000
2	Contact tip	-	1	M8	30	10	094-014222-00000
2	Contact tip	-	1.2	M8	30	10	094-013113-00000
2	Contact tip	-	1.4	M8	30	10	094-014191-00000
2	Contact tip	-	1.6	M8	30	10	094-014192-00000
2	Contact tip	-	2	M8	30	10	094-014193-00000
2	Contact tip	-	0.8	M8	30	10	094-016109-00000
2	Contact tip	-	0.9	M8	30	10	094-016110-00000
2	Contact tip	-	1	M8	30	10	094-016111-00000
2	Contact tip	-	1.2	M8	30	10	094-007238-00000
2	Contact tip	-	1.4	M8	30	10	094-016112-00000
2	Contact tip	-	1.6	M8	30	10	094-016113-00000
2	Contact tip	-	2	M8	30	10	094-016114-00000
2.1	Contact tip, narrow gap welding	-	0.8	M9	100	10	094-021189-00000
2.1	Contact tip, narrow gap welding	-	1	M9	100	10	094-019616-00000
2.1	Contact tip, narrow gap welding	-	1.2	M9	100	10	094-019617-00000
2.1	Contact tip, narrow gap welding	-	1.4	M9	100	10	094-020019-00000
2.1	Contact tip, narrow gap welding	-	1.6	M9	100	10	094-019618-00000
3	Contact tip holder	-	-	M8	34.5	10	094-015489-00003
3	Contact tip holder	-	-	M8	37.5	10	094-016018-00003
3	Contact tip holder	-	-	M9	35	10	094-013856-00003
3	Contact tip holder	-	-	M9	38	10	094-016425-00003
4	Gas diffuser	20.2	-	-	25	10	094-013111-00002
5	Capillary tube	-	-	-	-	1	094-019625-00000
6	Centring sleeve	-	-	-	-	10	094-019627-00000
-	Torch key	-	-	-	-	1	094-016038-00001

Steel and plastic liners made to length

Steel liner, insulated

- Steel liner for feeding steel wire
- Used in gas- and water-cooled welding torches
- Insulation prevents gas losses

Wire Ø	0.8 mm - 1 mm
Inside Ø	1.5 mm
Outside Ø	3.8 mm
Colour code	Blue

Designation	Length m	PU Pack	Item no.
Steel liner, insulated	3.6	1	094-013074-00501
	4.6		094-013075-00501
	5.6		094-014221-00501

Steel liner, insulated

- Steel liner for feeding steel wire
- Used in gas- and water-cooled welding torches
- Insulation prevents gas losses

Wire Ø	1.2 mm - 1.6 mm
Inside Ø	2 mm
Outside Ø	4.6 mm
Colour code	Red

Designation	Length m	PU Pack	Item no.
Steel liner, insulated	3.6	1	094-007239-00501
	4.6		094-014223-00500
	5.6		094-014224-00501

Steel liner, insulated

- Steel liner for feeding steel wire
- Used in gas- and water-cooled welding torches
- Insulation prevents gas losses

Wire Ø	1.6 mm - 2 mm
Inside Ø	2.4 mm
Outside Ø	4.6 mm
Colour code	Yellow

Designation	Length m	PU Pack	Item no.
Steel liner, insulated	3.6	2	094-013662-00502
	4.6		094-013663-00502
	5.6		094-013664-00502

Combined liner, PA

- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	0.6 mm - 1 mm
Inside Ø	1.5 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

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

Combined liner, PA

- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	1.2 mm - 1.6 mm
Inside Ø	2 mm
Outside Ø	4 mm
Colour code	Grey
Material	PA

Designation	Length m	PU Unit	Item no.
Combined liner, PA	3.0	1	094-013076-00000
	4.0		094-013077-00000
	5.0		094-013565-00000

Combined liner, PA

- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	1.6 mm - 2 mm
Inside Ø	2.3 mm
Outside Ø	4.7 mm
Colour code	Grey
Material	PA

Designation	Length m	PU Unit	Item no.
Combined liner, PA	3.0	1	094-013665-00000
	4.0		094-013666-00000
	5.0		094-013667-00000

Combined liner, Teflon

- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	0.6 mm - 1 mm
Inside Ø	1.5 mm
Outside Ø	4 mm
Colour code	Blue
Material	Teflon

Designation	Length m	PU Unit	Item no.
Combined liner, Teflon	3.0	1	094-013800-00000
	4.0		094-013800-00004
	5.0		094-013800-00005

Combined liner, Teflon

- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	1.2 mm - 1.6 mm
Inside Ø	2 mm
Outside Ø	4 mm
Colour code	Red
Material	Teflon

Designation	Length m	PU Unit	Item no.
Combined liner, Teflon	3.0	1	094-013801-00000
	4.0		094-013801-00004
	5.0		094-013801-00005

Steel and plastic liners made to length

Combined liner, Teflon

- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	1.6 mm - 2 mm
Inside Ø	2.7 mm
Outside Ø	4.7 mm
Colour code	Yellow
Material	Teflon

Designation	Length m	PU Unit	Item no.
Combined liner, Teflon	3.0	1	094-013802-00000
	4.0		094-013802-00004
	5.0		094-013802-00005

Combined liner, carbon Teflon

- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	0.6 mm - 1 mm
Inside Ø	1.5 mm
Outside Ø	4 mm
Colour code	Black
Material	Carbon teflon

Designation	Length m	PU Unit	Item no.
Combined liner, carbon Teflon	3.0	1	094-013871-00000
	4.0		094-013871-00004
	5.0		094-013871-00005

Combined liner, carbon Teflon

- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	1.2 mm - 1.6 mm
Inside Ø	2 mm
Outside Ø	4 mm
Colour code	Black
Material	Carbon teflon

Designation	Length m	PU Unit	Item no.
Combined liner, carbon Teflon	3.0	1	094-013828-00000
	4.0		094-013828-00004
	5.0		094-013828-00005

Combined liner, carbon Teflon

- Liner (combined liner) for feeding CrNi, aluminium, flux cored wires and CuSi wires
- Manufactured to length, with collet and O-ring

Wire Ø	1.6 mm - 2 mm
Inside Ø	2.7 mm
Outside Ø	4.7 mm
Colour code	Black
Material	Carbon teflon

Designation	Length m	PU Unit	Item no.
Combined liner, carbon Teflon	3.0	1	094-013829-00000
	4.0		094-013829-00004
	5.0		094-013829-00005

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

Guide tube

- Guide tube for use on a liner when welding or brazing soft or alloyed wire
- **Recommendation:**
- Use a steel liner with capillary tube to weld hard, unalloyed wire electrodes (steel)
- Use a liner with guide tube to weld or braze soft or alloy wire electrodes
- For converting wire feeders

Designation	Length mm	PU 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

- Capillary tube for use on a steel liner when welding steel wire
- **Recommendation:**
- Use a steel liner with capillary tube to weld hard, unalloyed wire electrodes (steel)
- Use a liner with guide tube to weld or braze soft or alloy wire electrodes
- For converting wire feeders

Designation	Length mm	PU 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

Steel and plastic liners sold by the metre

LSTC CrNi

- By the metre in various diameters
- Price per metre, minimum purchase: 1 m, maximum purchase in one piece: 50 m

Colour code	Grey
Material	CrNi

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	094-020170-00000
	1.2 - 1.6	2.0	4.0		094-020102-00000

LSTC CuZn

- By the metre in various diameters
- Price per metre, minimum purchase: 1 m, maximum purchase in one piece: 50 m

Wire Ø	1.2 mm - 1.6 mm
Inside Ø	2 mm
Outside Ø	4 mm
Material	Brass

Designation	PU	Item no.
	m	
Steel liner, sold by the metre	50	094-019612-00000

LSTC ST

- By the metre in various diameters
- Price per metre, minimum purchase: 1 m, maximum purchase in one piece: 50 m

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

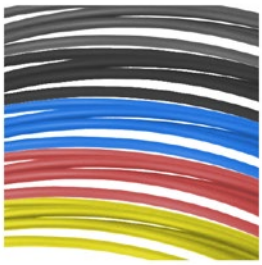
- By the metre in various diameters
- Price per metre, minimum purchase: 1 m, maximum purchase in one piece: 200 m

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	4.7		094-013783-00200

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

PTFE (teflon)



- By the metre in various diameters
- Price per metre, minimum purchase: 1 m, maximum purchase in one piece: 100 m

Material	Teflon
Packing drum size	100 m

Designation	Colour code	Wire Ø mm	Inside Ø mm	Out-side Ø mm	Item no.
Teflon liner, by the metre	Blue	0.6 - 1	1.5	4.0	094-013487-00100
	Red	1.2 - 1.6	2.0		094-013490-00100
	Yellow	1.6 - 2	2.7	4.7	094-013523-00100

PTFE (carbon teflon)

- By the metre in various diameters
- Price per metre, minimum purchase: 1 m, maximum purchase in one piece: 100 m

Colour code	Black
Material	Carbon teflon
Packing drum size	100 m

Designation	Wire Ø mm	Inside Ø mm	Outside Ø mm	PU m	Item no.
Combined liner, carbon Teflon	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	4.7		094-013525-00100

Consumables sets and accessories

ON HSS Ø18-19 mm

Designation	Item no.
Heat protection shield for PM welding torches	094-025359-00000

ON LED PM Standard

- Retrofit set "LED lighting" including tool for installation

Designation	Item no.
LED lighting retrofit kit for PM standard torches	092-007940-00000

Conversion kit, upper torch trigger

- Conversion kit for "torch trigger at top" including tool for installation

Designation	PU Unit	Version	Item no.
Conversion kit, torch trigger on top for PM standard welding torches	1	for PM standard welding torch	092-007938-00000
Torch trigger, at the top with LED for PM welding torch		for PM welding torch including LED lighting	092-007939-00000

ON TV PM

- Tasterverlängerung für PM-Schweißbrenner inklusive Werkzeug zur Montage

Designation	Version	Item no.
Torch trigger extension for PM welding torches with LED	including LED lighting	094-023891-00000
Torch trigger extension for PM standard welding torches	Standard, without LED lighting	094-022327-00000

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

Set Alu M6 221G / 301W

- Consumables set for PM 221 G/PM 301 W and MT 221 G/301 W welding torch
- 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**

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

Designation	PU Unit	Item no.
Consumables set, aluminium	1	092-013427-40001

Set Alu M7 221 G / 301 W

- Consumables set for PM 221 G/PM 301 W and MT 221 G/301 W welding torch
- 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**

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

Designation	PU Unit	Item no.
Consumables set, aluminium	1	092-013427-30001

Set Steel/CrNi M6 221 G / 301 W

- Consumables set for PM 221 G/PM 301 W and MT 221 G/301 W welding torch
- 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**

Wire Ø	0.8 mm - 1.2 mm
Version	M6; Ø 0,8-1,2 mm

Designation	PU Unit	Item no.
Consumables set, steel/chromium nickel	1	092-013427-40000

Consumables sets and accessories

Set Steel/CrNi M7 221 G / 301 W

- Consumables set for PM 221 G/PM 301 W and MT 221 G/301 W welding torch
- 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**

Wire Ø	0.8 mm - 1.2 mm

Designation	PU Unit	Item no.
Consumables set, steel/chromium nickel	1	092-013427-30000

Set Alu M8 301 G / 451 W

- Consumables set for PM 301 G/PM 451 W and MT 301 G/451 W welding torch
- 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**

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M8
Version	M8; Ø 0,8-1,2 mm

Designation	PU Unit	Item no.
Consumables set, aluminium	1	092-013428-40001

Set Alu M9 301 G / 451 W

- Consumables set for PM 301 G/PM 451 W and MT 301 G/451 W welding torch
- 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**

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M9
Version	M9; Ø 0,8-1,2 mm

Designation	PU Unit	Item no.
Consumables set, aluminium	1	092-013428-30001

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

Set Steel/CrNi M8 301 G / 451 W

- Consumables set for PM 301 G/PM 451 W and MT 301 G/451 W welding torch
- 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**

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M8
Version	M8; Ø 0,8-1,2 mm

Designation	PU Unit	Item no.
Consumables set, steel/chromium nickel	1	092-013428-40000

Set Steel/CrNi M9 301 G / 451 W

- Consumables set for PM 301 G/PM 451 W and MT 301 G/451 W welding torch
- 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**

Wire Ø	0.8 mm - 1.2 mm
Thread, contact tip	M9
Version	M9; Ø 0,8-1,2 mm

Designation	PU Unit	Item no.
Consumables set, steel/chromium nickel	1	092-013428-30000

Set Alu M8 401 G / 551 W

- Consumables set for PM 401 G/PM 551 W and MT 401 G/551 W welding torch
- 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**

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M8
Version	M8; Ø 1,0-1,6 mm

Designation	PU Unit	Item no.
Consumables set, aluminium	1	092-013429-40001

Consumables sets and accessories

Set Alu M9 401 G / 551 W

- Consumables set for PM 401 G/PM 551 W and MT 401 G/551 W welding torch
- 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**

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

Designation	PU Unit	Item no.
Consumables set, aluminium	1	092-013429-30001

Set Steel/CrNi M8 401 G / 551 W

- Consumables set for PM 401 G/PM 551 W and MT 401 G/551 W welding torch
- 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**

Wire Ø	1 mm - 1.6 mm
Thread, contact tip	M8
Version	M8; Ø 1,0-1,6 mm

Designation	PU Unit	Item no.
Consumables set, steel/chromium nickel	1	092-013429-40000

Set Steel/CrNi M9 401 G / 551 W

- Consumables set for PM 401 G/PM 551 W and MT 401 G/551 W welding torch
- 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**

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

Designation	PU Unit	Item no.
Consumables set, steel/chromium nickel	1	092-013429-30000

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

SRP empty

- Empty box as a spare

Designation	Item no.
Consumables box, empty	094-013586-00000

Torch key

- Torch key for fitting contact tip, contact tip holder and other accessories

Designation	PU Unit	Item no.
Torch key	1	094-016038-00001

Gas nozzle cleaner

- Nozzle cleaner for MIG/MAG welding torches
- Deposits inside the nozzle are removed by rotating the nozzle cleaner

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

Side cutter

Designation	PU Spool	Item no.
Side cutter	1	098-003899-00000

Consumables sets and accessories

Original FIX®

- Shielding gas nozzle cleaning and assembly pliers
- Rapid and true-to-size cutting of the welding wire
- Time-saving cleaning of the shielding gas nozzle
- Removal of the shielding gas nozzle
- Releasing and tightening of the contact tip

Material	Special steel

Designation	**PU Unit**	**Gas nozzle diameter**	**Item no.**
CO2special-purpose pliers	1	12-15	098-000406-00000
		15-18	098-001284-00000

All prices excl. VAT and any price increase or alloy surcharges which may be incurred.

Notes

Notes

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