

## MIG/MAG Steel welding

Taurus Steel puls S  
Taurus Steel Synergic S  
Taurus Basic S



**3** Years // **5** Years  
transformer  
and rectifier

**ewm-warranty\***

3 shifts / 24 hours / 7 days

\*For details visit [www.ewm-group.com](http://www.ewm-group.com)



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# FASTER PERFECT STEEL WELDING

Extremely easy operation,  
excellent results and less  
finishing work!

Taurus Steel is your new powerhouse for steel welding. The new MAG multiprocess inverter unit is made for all applications in industry and trade, as well as ship, machine and container construction.

The unit really pays off, even for use in the roughest conditions: it features fast setting with its extremely easy operation and outstanding welding results with 100% reproducibility thanks to digital technology and renowned EWM quality.

## Fields of application:

- Welding of unalloyed and low-alloy steel materials
- Characteristics for solid and flux-cored wires up to 1.6 mm, as well as CO<sub>2</sub> applications
- MAG pulse\* and standard, solid and flux-cored wires up to 1.6 mm (\**Taurus Steel puls*)
- MAG standard, solid and flux cored wires up to 1.6 mm (*Taurus Steel Synergic; Taurus Basic S*)
- MMA and gouging

### MIG/MAG



### MMA



### Gouging





**Our  
promise:  
Your guarantee!**

3 years on welding machines  
and 5 years on transformers  
and rectifiers – with no  
limitations on the number of  
operating hours. In 3 shifts,  
24 hours a day, 7 days a week!

**3** Years // **5** Years  
transformer  
and rectifier

**ewm-warranty\***

3 shifts / 24 hours / 7 days

\*For details visit [www.ewm-group.com](http://www.ewm-group.com)

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## **FATIGUE-FREE** thanks to large power reserves

Ideal for 3-shift operation: Thanks to the generous design of all the inverter components, the Taurus Steel is also capable of meeting continuous demands. Designed to be compact and modular, this powerhouse scores big with its duty cycle of 100% (at maximum power with the 400 A version) or 60% (with the 500 A version). Behind it lies modern inverter technology from EWM, which saves on both power and weight.

UP TO  
100%  
DUTY CYCLE



## SAVE TIME

and come to the (operating) point quickly

With Taurus Steel, the welding task is precisely set within seconds. Welders find the right operating point for each task straight away with the well-laid-out operating panel from EWM. They can choose between manual twin-knob operation and automatic synergic one-knob operation here.

## ROBUST and flexible



The modular design of Taurus Steel is extremely resilient, reliable and well-thought-out. Dust and dirt, hot and cold – the machine has been developed and constructed for use in the toughest working conditions. The compact and heavy-duty wire feeder can pass through manholes. With a variety of Trolley options like lifting eyes and large wheels, Taurus Steel can easily reach its operating site. Welding tasks in hard-to-reach areas are also easy to tackle thanks to the (up to) 50-metre-wide action radius between the power source and the wire feeder. The modular housing system can be quickly retrofitted with a standard or heavy-duty cooling unit without tools in just a few steps.



## ADDED VALUE instead of finishing work

Less finishing and grinding – the new low-spatter pulsed arc of the Taurus Steel puls replaces the common excessively-spattering transitional arc. This makes for excellent welding results and more productive arc time with less finishing work.

# MODULAR SYSTEM

The right model  
for every need

WATER  
COOLED  
+  
Trolley 55-6

## Versatile in its configuration

The Taurus Steel features a modular housing system, allowing it to be easily put together from a variety of different components. Wire feeders for 200 and 300 mm wire spools, transport cart for the workshop or construction site, gas cooled or water cooled with a standard or heavy-duty cooling unit.



Trolley 55-6

## Choose from two wire feeders



### Drive 4X Steel/Drive 4 Basic S

- D200 and D300 spools
- Supplied with electrode holder connection socket
- eFeed: 4-roll drive (quadruple meshing)
- Easy, tool-free roll change
- Can pass through manholes
- Standard Euro torch connector

**GAS  
COOLED**  
+  
**Trolley 55-6**

**GAS  
COOLED**  
+  
**Trolley 35-6\***



Trolley 55-6



Trolley 35-6\*



#### Drive 4X Steel D200/Drive 4 Basic S D200

- D200 spools
- Inspection window indicates level of wire spool
- Dust-proof wire spool cap
- Can pass through manholes
- Standard Euro torch connector
- Especially small and lightweight
- With gas control valve as standard

# FUNCTIONS OVERVIEW

The control variants

## TAURUS STEEL PULS S

Synergetic one-knob  
operation also for  
pulsed welding



### MIG/MAG



### MMA



### Gouging



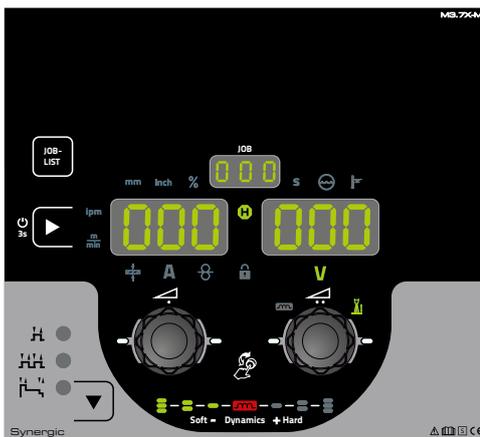
- Automatic synergetic one-knob operation
- 30 MAG characteristics
- Non-latched/latched
- Special latched with end-crater fill
- Setting and display of the arc dynamics
- Operating point selectable via material thickness, current and wire feed speed

## TAURUS STEEL SYNERGIC S

Synergetic one-knob  
operation for easy  
setting

## TAURUS BASIC S

Continuous  
twin-knob  
operation



### MIG/MAG



### MMA



### Gouging



### MIG/MAG



### MMA



### Gouging



- Automatic synergic one-knob operation
- 30 MAG characteristics
- Non-latched/latched
- Special latched with end-crater fill
- Setting and display of the arc dynamics
- Operating point selectable via material thickness, current and wire feed speed

- Manual twin-knob operation
- MAG characteristics
- Non-latched/latched
- Setting and display of the arc dynamics
- Operating point selectable using a table

## Choose from two wire feeders

Drive 4X Steel puls S | Drive 4X Steel Synergic S | Drive 4 Basic S

### System advantages

- D200 and D300 spool holders
- Will pass through manholes

### Wire spool cap – protective dust cap with inspection window

- Dust-proof wire spool cap
- Inspection window indicates level of wire spool
- Simple and convenient spool change
- Fully insulated wire space

### Closing system

- Cover caps stay closed even under the most demanding conditions

### Equipment – sophisticated design

- Tool-free changing of intermediate hose packages
- No need for intervention in the electric area thanks to externally accessible connections
- Strain-relieved hose package with strap and turnbuckle
- Protected hose package connections



## Overview of options



**Wheel kit**  
092-002844-00000



**Runners**  
092-003030-00000



**Torch holder**  
092-002836-00000



**Rubber feet**  
092-002845-00000

### eFeed wire feed mechanism

- Four driven wire feed rolls
- Automatic wire inching saves time
- Easy, tool-free roll change
- Permanently secured roll fastener



### Useful functions for everyday use

- Key switch – control shut-off to protect against operator error

### Interior lighting – for roll change

- Changing wires and operating the machine is easy even with poor lighting

### Wire inching push-button

- Automatic wire stop on contact

### Gas test push-button

### Connections – stable and protected

- Recessed Euro torch connector and water connections
- Impact protection due to protruding plastic edge
- Supplied with electrode holder connection socket

### flexFit casing system – robust and variable

- Solid base made from continuously cast aluminium
- Mounting options for sliding rails, rubber feet, wheel kit, etc.



Protective cap  
092-002834-00000



Protective screen  
092-003478-00000



Connection for drum feed  
092-002842-00000



Crane suspension  
092-002833-00000  
Heavy-duty set  
092-002835-00000

## Choose from two wire feeders

Drive 4X Steel puls S D200 | Drive 4X Steel Synergic S D200 |  
Drive 4 Basic S D200

### System advantages

- D200 spool holders
- Will pass through manholes
- Low weight thanks to the plastic casing
- Extra small and compact

### Wire spool cap – protective dust cap with inspection window

- Dust-proof wire spool cap
- Inspection window indicates level of wire spool

### Closing system

- Cover caps stay closed even under the most demanding conditions

### Robust casing

- Resilient plastic casing
- Sliding rails for protection during transport
- Impact protection due to protruding plastic edge

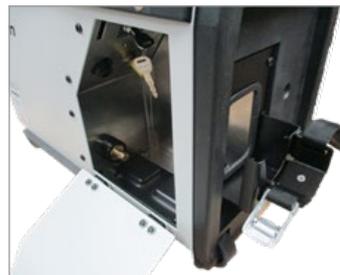


### Equipment – sophisticated design

- Tool-free changing of intermediate hose packages
- No need for intervention in the electric area thanks to externally accessible connections
- Strain-relieved hose package with strap and turnbuckle
- Adjustment of the gas quantity directly on the wire feeder via the gas control valve

### Connections in a protected location

- Internal connections offer the best protection for connection cables
- Guaranteed long service life



## Choose from two transport carts

### Trolley 55-6

#### System advantages

- Supplied with hose package holders on the sides
- Space for one or two shielding gas cylinders
- Supplied with crane suspension
- Supplied with roll brakes
- Large rolls (diameter: 250 mm) for easy operation and overcoming obstacles
- Large track widths ensure the stand is stable
- Cross arm and/or pivot support available for the wire feeder holder
- Optional toolbox for better organisation in the workplace
- Use with or without a cooling unit



### Trolley 35-6

#### System advantages

- Handcart design for particularly uneven areas
- Large rolls (diameter: 250 mm) for easy operation and overcoming obstacles
- Supplied with crane suspension
- Design only available with gas cooling, no cooling unit



## Overview of components



Drive 4X Steel puls S  
090-005593-00502  
Drive 4X Steel Synergic S  
090-005595-00502  
Drive 4 Basic S  
090-005597-00502



Drive 4X Steel puls S D200  
090-005592-00502  
Drive 4X Steel Synergic S  
D200  
090-005594-00502  
Drive 4 Basic S D200  
090-005596-00502



PM welding torches and  
PM function torches  
see from Page 52



UM welding torches  
see from Page 57



miniDrive  
miniDrive with voltmeter  
and ammeter  
see from Page 50



Remote control  
see from Page 39



Extra gas valve for  
increased safety  
092-003464-00001

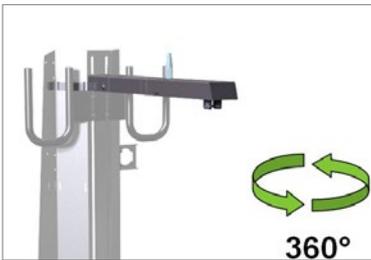




**Trolley 55-6**  
090-008826-00000



**Large cross arm Trolley 55-6**  
092-002700-00000



**Pivot support Trolley 55-6**  
092-002712-00000



**Trolley 35-6**  
090-008827-00000



**Cooling unit cool50-2 U40**  
090-008603-00502  
**Cooling unit with reinforced pump cool50-2 U40**  
090-008796-00502



**Toolbox Trolley 55-5**  
092-002899-00000



**Dirt filter for air inlet**  
092-002698-00000



**Torch holder**  
092-002699-00000

## Overview of components

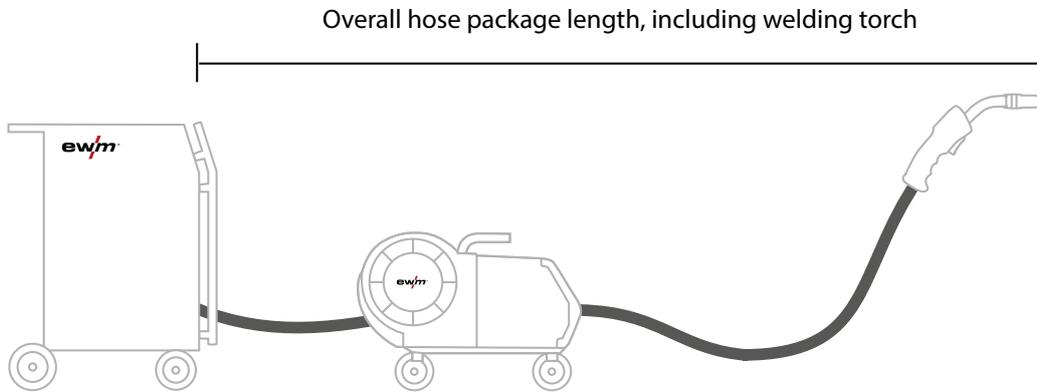
Below is an overview of which individual system components can be combined and which cannot:

		Water-cooled version	Gas-cooled version
<b>Wire feeders</b>			
	Drive 4X Steel puls S		
	Drive 4X Steel Synergic S		✓
	Drive 4 Basic S		
	Drive 4X Steel puls S D200		
	Drive 4X Steel Synergic S D200		✓
	Drive 4 Basic S D200		
<b>Intermediate drive</b>			
	miniDrive		✓
	miniDrive with voltmeter and ammeter display	✓	On request
<b>Transport carts and accessories</b>			
	Trolley 55-6		✓
	Cross arm Trolley 55-6		✓
	Pivot support Trolley 55-6		✓
	Toolbox Trolley 55-6	not possible	Only in conjunction with Trolley 55-6
	Trolley 35-6	not possible	✓
<b>Water block</b>			
	Cooling unit cool50-2 U40	✓	not possible
	Cooling unit with reinforced pump cool50-2 U42	✓	not possible
<b>Welding torches</b>			
	PM welding torch and PM function torch		✓
	UM welding torch		✓

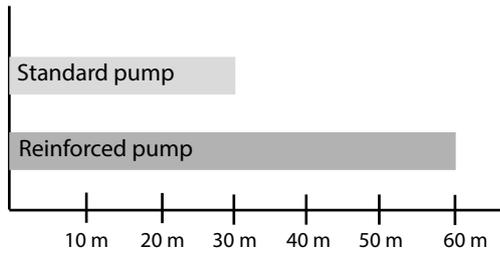
	Water-cooled version	Gas-cooled version
<b>Remote controls</b>		
 <p>Remote control for setting the wire feed speed and welding voltage</p>		✓
<b>Additional accessories</b>		
 <p>Dirt filter for air inlet</p>		✓
 <p>Factory-fit option: Extra gas valve for increased safety</p>		✓
 <p>Torch holder for attaching to the welding machine</p>		✓

## Use of standard pump/reinforced pump

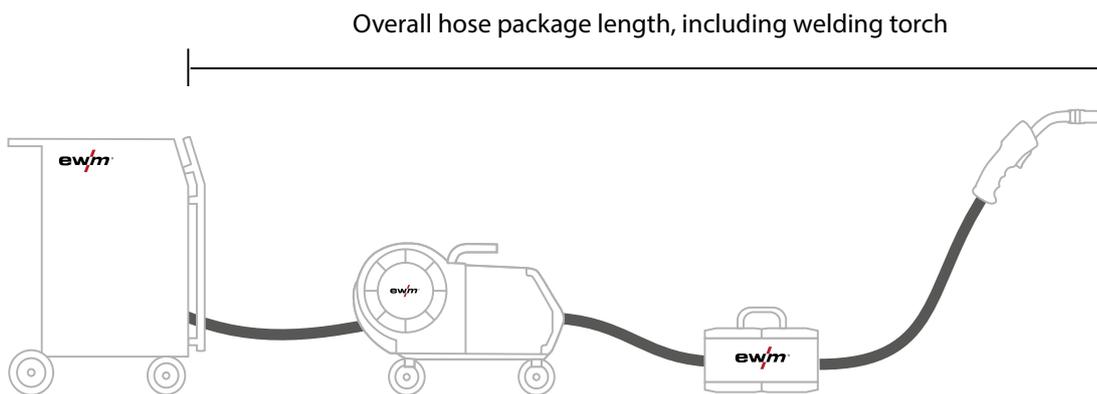
### 1) Welding machines with separate wire feeders



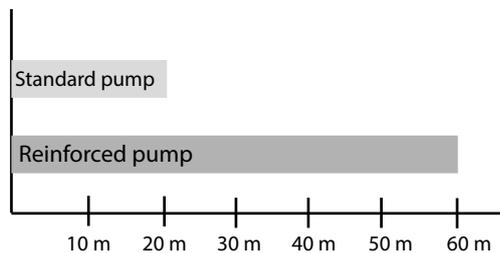
Standard pump: up to 30 m overall hose package length, including welding torch  
Reinforced pump: up to 60 m overall hose package length, including welding torch



### 2) Welding machines with a separate wire feeder and additional miniDrive



Standard pump: up to 20 m overall hose package length, including welding torch  
Reinforced pump: up to 60 m overall hose package length, including welding torch



## Intermediate drive – miniDrive

Are large distances and small spaces a daily challenge in your workplace? Do big, heavy wire feeders often get in your way? Then the EWM miniDrive is the solution.

Make your problems a thing of the past with overall hose packages of up to 60 m in length and the ability to overcome large height differences.

With its low weight and extremely robust steel casing, the miniDrive allows you to feed the wire directly to your workplace safely and steadily, without having to take the wire feeder with you.

Setting corrections can be easily carried out on the miniDrive, so you don't have to go back to the wire feeder.

### System advantages

- Large action radius for welding in hard-to-reach places
- Overcome large height differences
- Robust casing with small dimensions and a low weight
- Optimum protection due to rounded edges with plastic protectors
- Setting corrections and wire inching can be carried out directly at the machine
- Overall hose packages up to 60 m in length
- Also available with a voltmeter and ammeter display
- Can be suspended, mounted horizontally and lifted by crane
- Safe wire feed guaranteed
- Function torch and remote control connections



### Sample applications



## Taurus Steel series

The Taurus Steel guarantees successful steel welding. It is best suited to work in harsh shipyard environments thanks to its modular, slim casing concept, long duty cycle, easy operation and high range of mobility. The Taurus Steel puls has optimised steel characteristics as well as a pulse function. This reduces spatter formation significantly and saves time when it comes to finishing work. Working in hard-to-reach ship hulls is made easy with hose packages of up to 60 m in length and wire feeders that can fit through manholes.

Available performance classes:  
5A-400 A  
5A-500 A



### MIG/MAG



### MMA



### Gouging



#### Fields of application:

- Shipyards/shipbuilding
- Steel construction

- MIG/MAG inverter welding machine with synergic control concept and optimised characteristics for steel
- Pulsed MIG/MAG welding (only available for Taurus Steel puls), MIG/MAG welding, MMA welding and gouging
- **\*Taurus Steel puls:** Significantly less spatter formation and therefore less finishing work thanks to the pulse function
- End-crater fill
- Welding with solid wire and flux cored wire
- Infinitely adjustable arc dynamics (choke effect)
- **Drive 4X Steel:**
  - Connection socket for electrode holder on the wire feeder as standard
  - Powerful, high-precision EWM eFeed 4-roll wire feeder to reliably feed all solid and flux cored wires
- **Drive 4X Steel D200:** Adjustment of the gas quantity directly on the wire feeder via the gas control valve
- Hose packages available up to 60 m in length
- Factory-fit option: Extra gas valve for increased safety
- Free WPQR package for certification up to and including EXC2 as per EN 1090 and for welding unalloyed steels up to and including S355
- Large power reserves thanks to a high duty cycle with all components heating up less as a result, guaranteeing a longer service life for machines when in use
- Energy-saving thanks to high efficiency and the standby function
- Simple, tool-free reversal of the welding polarity
- Earth fault monitoring (PE protection)
- Splash-proof as per IP23
- Connection capability for remote control and function torch (only up/down)

# Overview of controls – Drive 4X Steel

**Welding task selection (JOB)**

**Welding parameters**

- Displaying and setting the welding current and wire feed speed
- Hold value display
- Locking of controls e.g. for transport

**Operating mode selection**

- Non-latched
- Latched
- Special latched operation (crater fill)

**JOB display**

**Welding voltage display**

**Pulse selection**

Only available for Taurus Steel puls

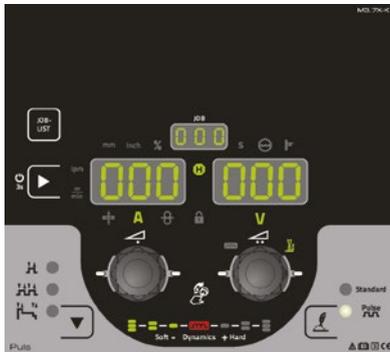
**Arc dynamics display**

	Pulse control	Synergic control
<b>Welding procedure</b>		
MIG/MAG		•
MMA		•
Gouging		•
<b>Control concept</b>	Synergic, via supplied characteristics	
<b>Adjustable welding parameters and functions</b>		
Pulsed MIG/MAG welding	•	-
Wire feed speed		1–25 m/min
Arc length correction		•
Infinitely adjustable arc dynamics		•
Non-latched		•
Latched		•
Special latched with adjustable start and end crater program		•
Standby function		•
Control locking		•
<b>Display (hold function)</b>		
JOB no.		•
Welding current, welding voltage		•
Wire feed speed		•
Motor current		•

## Taurus 405 Steel puls S | Taurus 505 Steel puls S



### Steel puls S



Accessories/options see from Page 38

- MIG/MAG pulse welding machine with optimised synergic characteristics for welding steel
- Pulsed MIG/MAG welding, MIG/MAG welding, MMA welding and gouging
- Significantly less spatter formation and therefore less finishing work thanks to the pulse function
- Adjustable start and end-crater functions
- Welding with solid wire and flux cored wire
- Synergic or manual welding operation
- Free WPQR package for certification up to and including EXC2 in accordance with EN 1090 and for welding of unalloyed steels up to and including S355
- **Drive 4X Steel:** Connection socket for electrode holder on the wire feeder as standard
- **Drive 4X Steel D200:** Adjustment of the gas quantity directly on the wire feeder via the gas control valve as standard.
- Factory-fit option: Extra gas valve for increased safety
- Infinitely adjustable arc dynamics (choke effect)
- High-precision, powerful EWM eFeed 4-roll wire feed mechanism for secure feeding of all solid and flux cored wires
- Equipped with 1.0–1.2 mm UNI rolls for low to high-alloy steel
- High open circuit voltage for excellent ignition characteristics
- Energy-saving thanks to high efficiency and standby function
- Easy, tool-free change of welding polarity
- High mains voltage tolerances and therefore fully generator-compatible
- IP23 spray water protected
- Ideally suited for use with long hose packages
- Connection capability for remote control and function torch (only up/down)
- Protective earth monitoring (PE)

Taurus puls	405	505
<b>Mains voltage (tolerances)</b>	3 x 400 V (-25 % - +20 %)	
<b>Mains fuses (slow-blow)</b>	3 x 32 A	
<b>Open circuit voltage</b>	79 V	
<b>Setting range for welding current</b>	5 A - 400 A	5 A - 500 A
<b>Duty cycle 40 °C</b>	-	500 A / 60 %
	400 A / 100 %	430 A / 100 %
<b>cos φ</b>	0.99	
<b>Efficiency</b>	90 %	
<b>Dimensions machine, LxWxH in mm</b>	625 x 298 x 531	
<b>Weight, machine</b>	41 kg	45 kg
<b>Wire feeder, LxWxH in mm</b>	660 x 280 x 380	
<b>Wire feeder weight</b>	13 kg	
<b>Dimensions cooling unit in mm</b>	695 x 298 x 329	
<b>Weight, cooling unit</b>	16.5 kg	

## Taurus 405 Steel puls S, water-cooled, Trolley 55-6

Type	Designation	Item no.
<b>Taurus 405 Steel puls S</b>	MIG/MAG pulse welding machine, decompact, modular	090-005589-00502
<b>Drive 4X Steel puls S</b>	Wire feeder, Euro torch connector	090-005593-00502
Drive 4X Steel puls S D200		090-005592-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>cool50-2 U40</b>	Cooling unit with centrifugal pump	090-008603-00502
<b>MIG W 7POL 70qmm 450A/60% 1m</b>	Intermediate hose package, water-cooled, 7-pole	094-000406-00000
MIG W 7POL 70qmm 450A/60% 5m		094-000406-00001
MIG W 7POL 70qmm 450A/60% 10m		094-000406-00002
MIG W 7POL 70qmm 450A/60% 15m		094-000406-00004
<b>PM 451 W M9 4 m</b>	MIG/MAG welding torch, water-cooled	094-700004-00004
PM 451 W M9 3 m		094-700004-00000
PM 451 W M9 5 m		094-700004-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 55-6</b>	Transport cart for a power source, cooling unit and shielding gas cylinder	090-008825-00000
<b>ON TR Trolley 55-5 / 55-6</b>	Cross arm and holder for wire feeder	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	092-002712-00000
<b>KF 23E-10, -10</b>	Coolant (-10 °C), 9,3 l	094-000530-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus 505 Steel puls S, water-cooled, Trolley 55-6

<b>Taurus 505 Steel puls S</b>	MIG/MAG pulse welding machine, decompact, modular	090-005599-00502
<b>Drive 4X Steel puls S</b>	Wire feeder, Euro torch connector	090-005593-00502
Drive 4X Steel puls S D200		090-005592-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>cool50-2 U40</b>	Cooling unit with centrifugal pump	090-008603-00502
<b>MIG W 7POL 95qmm 550A/60% 1m</b>	Intermediate hose package, water-cooled, 7-pole	094-000407-00000
MIG W 7POL 95qmm 550A/60% 5m		094-000407-00001
MIG W 7POL 95qmm 550A/60% 10m		094-000407-00002
MIG W 7POL 95qmm 550A/60% 15m		094-000407-00006
<b>PM 551 W M9 3 m</b>	MIG/MAG welding torch, water-cooled	094-700005-00000
PM 551 W M9 4 m		094-700005-00004
PM 551 W M9 5 m		094-700005-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 55-6</b>	Transport cart for a power source, cooling unit and shielding gas cylinder	090-008825-00000
<b>ON TR Trolley 55-5 / 55-6</b>	Cross arm and holder for wire feeder	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	092-002712-00000
<b>KF 23E-10, -10</b>	Coolant (-10 °C), 9,3 l	094-000530-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus 405 Steel puls S | Taurus 505 Steel puls S

## Taurus 405 Steel puls S, gas-cooled, Trolley 55-6

<b>Taurus 405 Steel puls S</b>	MIG/MAG pulse welding machine, decompact, modular	090-005589-00502
<b>Drive 4X Steel puls S</b>	Wire feeder, Euro torch connector	090-005593-00502
Drive 4X Steel puls S D200		090-005592-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>MIG G 7POL 70qmm 450A/60% 1m</b>		094-000580-00000
MIG G 7POL 70qmm 450A/60% 5m	Intermediate hose package, gas-cooled, 7-pole	094-000580-00001
MIG G 7POL 70qmm 450A/60% 10m		094-000580-00002
MIG G 7POL 70qmm 450A/60% 15m		094-000580-00005
<b>PM 401 G M9 4 m</b>		094-700002-00004
PM 401 G M9 3 m	MIG/MAG welding torch, gas-cooled	094-700002-00000
PM 401 G M9 5 m		094-700002-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 55-6</b>	Transport cart for a power source, cooling unit and shielding gas cylinder	090-008825-00000
<b>ON TR Trolley 55-5 / 55-6</b>	Cross arm and holder for wire feeder	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	092-002712-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus 505 Steel puls S, gas-cooled, Trolley 55-6

<b>Taurus 505 Steel puls S</b>	MIG/MAG pulse welding machine, decompact, modular	090-005599-00502
<b>Drive 4X Steel puls S</b>	Wire feeder, Euro torch connector	090-005593-00502
Drive 4X Steel puls S D200		090-005592-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>MIG G 7POL 95qmm 550A/60% 1m</b>		094-007726-00000
MIG G 7POL 95qmm 550A/60% 5m	Intermediate hose package, gas-cooled, 7-pole	094-007726-00001
MIG G 7POL 95qmm 550A/60% 10m		094-007726-00002
MIG G 7POL 95qmm 550A/60% 15m		094-007726-00003
<b>PM 401 G M9 3 m</b>		094-700002-00000
PM 401 G M9 4 m	MIG/MAG welding torch, gas-cooled	094-700002-00004
PM 401 G M9 5 m		094-700002-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 55-6</b>	Transport cart for a power source, cooling unit and shielding gas cylinder	090-008825-00000
<b>ON TR Trolley 55-5 / 55-6</b>	Cross arm and holder for wire feeder	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	092-002712-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus 405 Steel puls S, gas-cooled, Trolley 35-6

<b>Taurus 405 Steel puls S</b>	MIG/MAG pulse welding machine, decompact, modular	090-005589-00502
<b>Drive 4X Steel puls S</b>	Wire feeder, Euro torch connector	090-005593-00502
Drive 4X Steel puls S D200		090-005592-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>MIG G 7POL 70qmm 450A/60% 1m</b>		094-000580-00000
MIG G 7POL 70qmm 450A/60% 5m	Intermediate hose package, gas-cooled, 7-pole	094-000580-00001
MIG G 7POL 70qmm 450A/60% 10m		094-000580-00002
MIG G 7POL 70qmm 450A/60% 15m		094-000580-00005
<b>PM 401 G M9 4 m</b>		
PM 401 G M9 3 m	MIG/MAG welding torch, gas-cooled	094-700002-00000
PM 401 G M9 5 m		094-700002-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 35-6</b>	Transport cart for a power source with a wire feeder	090-008827-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

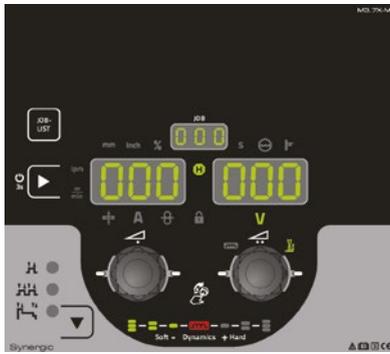
## Taurus 505 Steel puls S, gas-cooled, Trolley 35-5

<b>Taurus 505 Steel puls S</b>	MIG/MAG pulse welding machine, decompact, modular	090-005599-00502
<b>Drive 4X Steel puls S</b>	Wire feeder, Euro torch connector	090-005593-00502
Drive 4X Steel puls S D200		090-005592-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>MIG G 7POL 95qmm 550A/60% 1m</b>		094-007726-00000
MIG G 7POL 95qmm 550A/60% 5m	Intermediate hose package, gas-cooled, 7-pole	094-007726-00001
MIG G 7POL 95qmm 550A/60% 10m		094-007726-00002
MIG G 7POL 95qmm 550A/60% 15m		094-007726-00003
<b>PM 401 G M9 3 m</b>		
PM 401 G M9 4 m	MIG/MAG welding torch, gas-cooled	094-700002-00004
PM 401 G M9 5 m		094-700002-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 35-6</b>	Transport cart for a power source with a wire feeder	090-008827-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus 405 Steel Synergic S | Taurus 505 Steel Synergic S



### Steel Synergic S



Accessories/options see from Page 38

- MIG/MAG inverter welding machine with optimised synergic characteristics for welding steel
- MIG/MAG welding, MMA welding and gouging
- Adjustable start and end-crater functions
- Welding with solid wire and flux cored wire
- Synergic or manual welding operation
- Free WPQR package for certification up to and including EXC2 in accordance with EN 1090 and for welding of unalloyed steels up to and including S355
- **Drive 4X Steel:** Connection socket for electrode holder on the wire feeder as standard
- **Drive 4X Steel D200:** Adjustment of the gas quantity directly on the wire feeder via the gas control valve as standard.
- Factory-fit option: Extra gas valve for increased safety
- Infinitely adjustable arc dynamics (choke effect)
- High-precision, powerful EWM eFeed 4-roll wire feed mechanism for secure feeding of all solid and flux cored wires
- Equipped with 1.0–1.2 mm UNI rolls for low to high-alloy steel
- High open circuit voltage for excellent ignition characteristics
- Energy-saving thanks to high efficiency and standby function
- Easy, tool-free change of welding polarity
- High mains voltage tolerances and therefore fully generator-compatible
- IP23 spray water protected
- Ideally suited for use with long hose packages
- Connection capability for remote control and function torch (only up/down)
- Protective earth monitoring (PE)

Taurus	405	505
<b>Mains voltage (tolerances)</b>	3 x 400 V (-25 % - +20 %)	
<b>Mains fuses (slow-blow)</b>	3 x 32 A	
<b>Open circuit voltage</b>	79 V	
<b>Setting range for welding current</b>	5 A - 400 A	5 A - 500 A
<b>Duty cycle 40 °C</b>	–	500 A / 60 %
	400 A / 100 %	430 A / 100 %
<b>cos φ</b>	0.99	
<b>Efficiency</b>	90 %	
<b>Dimensions machine, LxWxH in mm</b>	625 x 298 x 531	
<b>Weight, machine</b>	41 kg	45 kg
<b>Wire feeder, LxWxH in mm</b>	660 x 280 x 380	
<b>Wire feeder weight</b>	13 kg	
<b>Dimensions cooling unit in mm</b>	695 x 298 x 329	
<b>Weight, cooling unit</b>	16.5 kg	

## Taurus 405 Steel Synergic S, water-cooled, Trolley 55-6

Type	Designation	Item no.
<b>Taurus 405 Steel Synergic S</b>	MIG/MAG inverter welding machine, decompact, modular	090-005590-00502
<b>Drive 4X Steel Synergic S</b>	Wire feeder, Euro torch connector	090-005595-00502
Drive 4X Steel Synergic S D200		090-005594-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>cool50-2 U40</b>	Cooling unit with centrifugal pump	090-008603-00502
<b>MIG W 7POL 70qmm 450A/60% 1m</b>		094-000406-00000
MIG W 7POL 70qmm 450A/60% 5m	Intermediate hose package, water-cooled, 7-pole	094-000406-00001
MIG W 7POL 70qmm 450A/60% 10m		094-000406-00002
MIG W 7POL 70qmm 450A/60% 15m		094-000406-00004
<b>PM 451 W M9 4 m</b>		094-700004-00004
PM 451 W M9 3 m	MIG/MAG welding torch, water-cooled	094-700004-00000
PM 451 W M9 5 m		094-700004-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 55-6</b>	Transport cart for a power source, cooling unit and shielding gas cylinder	090-008825-00000
<b>ON TR Trolley 55-5 / 55-6</b>	Cross arm and holder for wire feeder	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	092-002712-00000
<b>KF 23E-10, -10</b>	Coolant (-10 °C), 9.3 l	094-000530-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus 505 Steel Synergic S, water-cooled, Trolley 55-6

<b>Taurus 505 Steel Synergic S</b>	MIG/MAG inverter welding machine, decompact, modular	090-005600-00502
<b>Drive 4X Steel Synergic S</b>	Wire feeder, Euro torch connector	090-005595-00502
Drive 4X Steel Synergic S D200		090-005594-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>cool50-2 U40</b>	Cooling unit with centrifugal pump	090-008603-00502
<b>MIG W 7POL 95qmm 550A/60% 1m</b>		094-000407-00000
MIG W 7POL 95qmm 550A/60% 5m	Intermediate hose package, water-cooled, 7-pole	094-000407-00001
MIG W 7POL 95qmm 550A/60% 10m		094-000407-00002
MIG W 7POL 95qmm 550A/60% 15m		094-000407-00006
<b>PM 551 W M9 3 m</b>		094-700005-00000
PM 551 W M9 4 m	MIG/MAG welding torch, water-cooled	094-700005-00004
PM 551 W M9 5 m		094-700005-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 55-6</b>	Transport cart for a power source, cooling unit and shielding gas cylinder	090-008825-00000
<b>ON TR Trolley 55-5 / 55-6</b>	Cross arm and holder for wire feeder	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	092-002712-00000
<b>KF 23E-10, -10</b>	Coolant (-10 °C), 9.3 l	094-000530-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus 405 Steel Synergic S | Taurus 505 Steel Synergic S

### Taurus 405 Steel Synergic S, gas-cooled, Trolley 55-6

<b>Taurus 405 Steel Synergic S</b>	MIG/MAG inverter welding machine, decompact, modular	090-005590-00502
<b>Drive 4X Steel Synergic S</b>	Wire feeder, Euro torch connector	090-005595-00502
Drive 4X Steel Synergic S D200		090-005594-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>MIG G 7POL 70qmm 450A/60% 1m</b>		094-000580-00000
MIG G 7POL 70qmm 450A/60% 5m	Intermediate hose package, gas-cooled, 7-pole	094-000580-00001
MIG G 7POL 70qmm 450A/60% 10m		094-000580-00002
MIG G 7POL 70qmm 450A/60% 15m		094-000580-00005
<b>PM 401 G M9 4 m</b>		094-700002-00004
PM 401 G M9 3 m	MIG/MAG welding torch, gas-cooled	094-700002-00000
PM 401 G M9 5 m		094-700002-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 55-6</b>	Transport cart for a power source, cooling unit and shielding gas cylinder	090-008825-00000
<b>ON TR Trolley 55-5 / 55-6</b>	Cross arm and holder for wire feeder	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	092-002712-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

### Taurus 505 Steel Synergic S, gas-cooled, Trolley 55-6

<b>Taurus 505 Steel Synergic S</b>	MIG/MAG inverter welding machine, decompact, modular	090-005600-00502
<b>Drive 4X Steel Synergic S</b>	Wire feeder, Euro torch connector	090-005595-00502
Drive 4X Steel Synergic S D200		090-005594-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>MIG G 7POL 95qmm 550A/60% 1m</b>		094-007726-00000
MIG G 7POL 95qmm 550A/60% 5m	Intermediate hose package, gas-cooled, 7-pole	094-007726-00001
MIG G 7POL 95qmm 550A/60% 10m		094-007726-00002
MIG G 7POL 95qmm 550A/60% 15m		094-007726-00003
<b>PM 401 G M9 3 m</b>		094-700002-00000
PM 401 G M9 4 m	MIG/MAG welding torch, gas-cooled	094-700002-00004
PM 401 G M9 5 m		094-700002-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 55-6</b>	Transport cart for a power source, cooling unit and shielding gas cylinder	090-008825-00000
<b>ON TR Trolley 55-5 / 55-6</b>	Cross arm and holder for wire feeder	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	092-002712-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus 405 Steel Synergic S, gas-cooled, Trolley 35-6

<b>Taurus 405 Steel Synergic S</b>	MIG/MAG inverter welding machine, decompact, modular	090-005590-00502
<b>Drive 4X Steel Synergic S</b>	Wire feeder, Euro torch connector	090-005595-00502
Drive 4X Steel Synergic S D200		090-005594-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>MIG G 7POL 70qmm 450A/60% 1m</b>		094-000580-00000
MIG G 7POL 70qmm 450A/60% 5m	Intermediate hose package, gas-cooled, 7-pole	094-000580-00001
MIG G 7POL 70qmm 450A/60% 10m		094-000580-00002
MIG G 7POL 70qmm 450A/60% 15m		094-000580-00005
<b>PM 401 G M9 4 m</b>		094-700002-00004
PM 401 G M9 3 m	MIG/MAG welding torch, gas-cooled	094-700002-00000
PM 401 G M9 5 m		094-700002-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO<sub>2</sub> 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 35-6</b>	Transport cart for a power source with a wire feeder	090-008827-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus 505 Steel Synergic S, gas-cooled, Trolley 35-6

<b>Taurus 505 Steel Synergic S</b>	MIG/MAG inverter welding machine, decompact, modular	090-005600-00502
<b>Drive 4X Steel Synergic S</b>	Wire feeder, Euro torch connector	090-005595-00502
Drive 4X Steel Synergic S D200		090-005594-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>MIG G 7POL 95qmm 550A/60% 1m</b>		094-007726-00000
MIG G 7POL 95qmm 550A/60% 5m	Intermediate hose package, gas-cooled, 7-pole	094-007726-00001
MIG G 7POL 95qmm 550A/60% 10m		094-007726-00002
MIG G 7POL 95qmm 550A/60% 15m		094-007726-00003
<b>PM 401 G M9 3 m</b>		094-700002-00000
PM 401 G M9 4 m	MIG/MAG welding torch, gas-cooled	094-700002-00004
PM 401 G M9 5 m		094-700002-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO<sub>2</sub> 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 35-6</b>	Transport cart for a power source with a wire feeder	090-008827-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus Basic S series

The Taurus Basic series is your trusty companion for steel welding.

You set the welding parameters by using the manual operating point adjustment for the wire feed speed and welding voltage.

The modular, slim casing concept in conjunction with a very long duty cycle is particularly impressive. It is extremely mobile, and working in narrow spaces or in production is made easy.

**Available performance classes:**

5A-400 A

5A-500 A



### MIG/MAG



### MMA



### Gouging

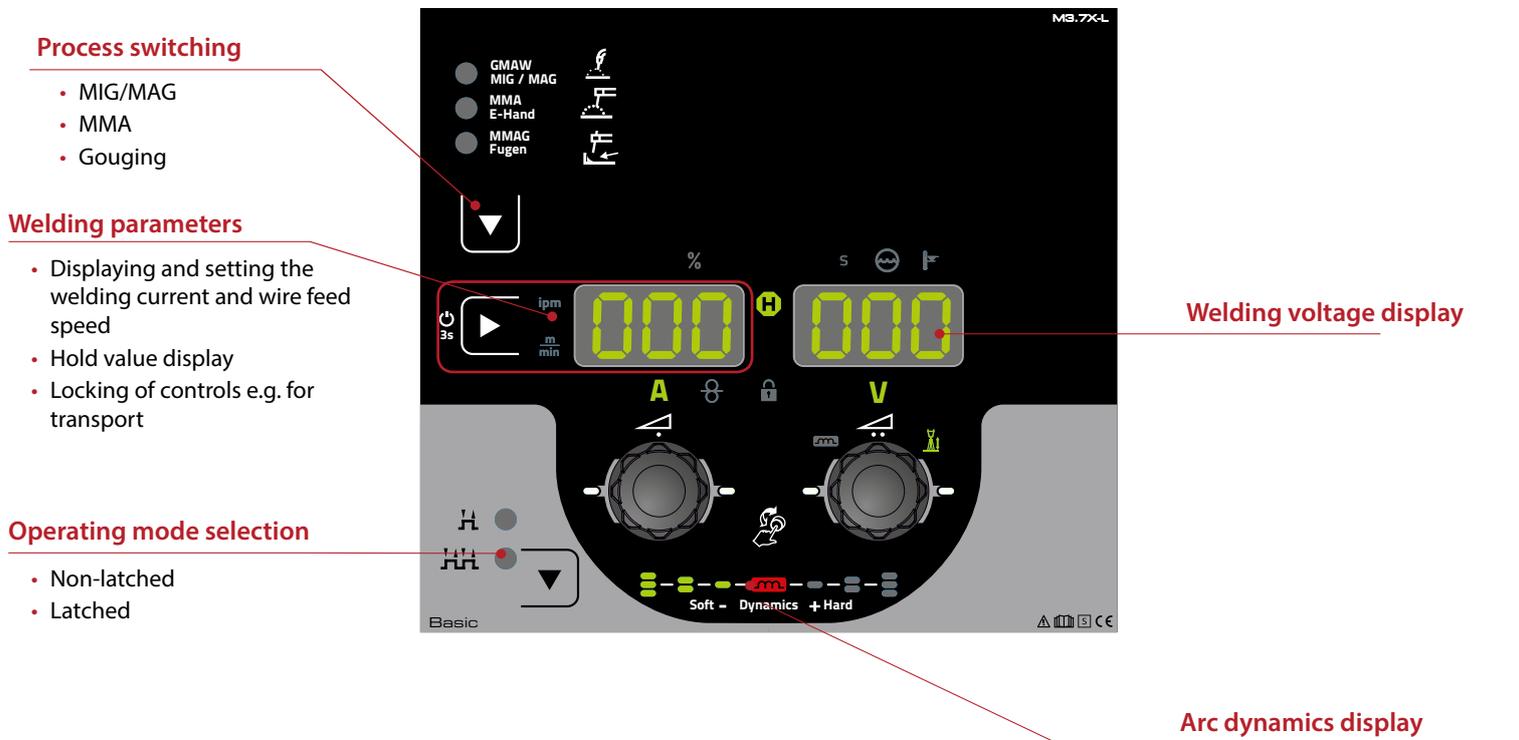


**Fields of application:**

- Steel welding tasks
- Assembly work
- Metal construction

- MIG/MAG inverter welding machine with manual operating point adjustment
- MIG/MAG welding, MMA welding and gouging
- Easy operation and selection of the welding tasks CV (MAG)/CC (MMA)
- Welding with solid wire and flux cored wire
- Infinitely adjustable arc dynamics (choke effect)
- **Drive 4 Basic S:**
  - Connection socket for electrode holder on the wire feeder as standard
  - Powerful, high-precision EWM eFeed 4-roll wire feeder to reliably feed all solid and flux cored wires
  - **Drive 4 Basic S D200:** Adjustment of the gas quantity directly on the wire feeder via the gas control valve
  - Hose packages available up to 60 m in length
  - Factory-fit option: Extra gas valve for increased safety
  - Free WPQR package for certification up to and including EXC2 as per EN 1090 and for welding unalloyed steels up to and including S355
  - Large power reserves thanks to a high duty cycle with all components heating up less as a result, guaranteeing a longer service life for machines when in use
  - Energy-saving thanks to high efficiency and the standby function
  - Simple, tool-free reversal of the welding polarity
  - Earth fault monitoring (PE protection)
  - Splash-proof as per IP23
  - Connection capability for remote control and function torch (only up/down)

# Overview of controls – Drive 4 Basic S

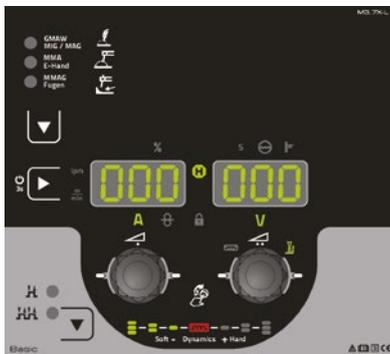


Welding procedure	Basic S control
MIG/MAG	•
MMA	•
Gouging	•
<b>Control concept</b>	Manual operating point adjustment
<b>Adjustable welding parameters and functions</b>	
Wire feed speed	1–25 m/min
Welding voltage	•
Infinitely adjustable arc dynamics	•
Non-latched	•
Latched	•
Control locking	•
<b>Display for (hold function)</b>	
Welding current, welding voltage	•

## Taurus 405 Basic S | Taurus 505 Basic S



### Basic S



Accessories/options see from Page 38

- MIG/MAG inverter welding machine with manual operating point adjustment
- MIG/MAG welding, MMA welding and gouging
- Most simple operation and selection of the welding tasks CV (MAG)/CC (MMA)
- Welding with solid wire and flux cored wire
- **Drive 4 Basic S:** Connection socket for electrode holder on the wire feeder as standard
- **Drive 4 Basic S D200:** With rotary gas valve on the wire feeder for regulating the gas quantity as standard
- Factory-fit option: Extra gas valve for increased safety
- Infinitely adjustable arc dynamics (choke effect)
- High-precision, powerful EWM eFeed 4-roll wire feed mechanism for secure feeding of all solid and flux cored wires
- Equipped with 1.0–1.2 mm UNI rolls for low to high-alloy steel
- High open circuit voltage for excellent ignition characteristics
- Energy-saving thanks to high efficiency and standby function
- Easy, tool-free change of welding polarity
- High mains voltage tolerances and therefore fully generator-compatible
- IP23 spray water protected
- Ideally suited for use with long hose packages
- Connection capability for remote control and function torch (only up/down)
- Protective earth monitoring (PE)

Taurus	405	505
<b>Mains voltage (tolerances)</b>	3 x 400 V (-25 % - +20 %)	
<b>Mains fuses (slow-blow)</b>	3 x 32 A	
<b>Open circuit voltage</b>	79 V	
<b>Setting range for welding current</b>	5 A - 400 A	5 A - 500 A
<b>Duty cycle 40 °C</b>	–	500 A / 60 %
	400 A / 100 %	430 A / 100 %
<b>cos φ</b>	0.99	
<b>Efficiency</b>	90 %	
<b>Dimensions machine, LxWxH in mm</b>	625 x 298 x 531	
<b>Weight, machine</b>	41 kg	45 kg
<b>Wire feeder, LxWxH in mm</b>	660 x 280 x 380	
<b>Wire feeder weight</b>	13 kg	
<b>Dimensions cooling unit in mm</b>	695 x 298 x 329	
<b>Weight, cooling unit</b>	16.5 kg	

## Taurus 405 Basic S, water-cooled, Trolley 55-6

Type	Designation	Item no.
<b>Taurus 405 Basic S</b>	MIG/MAG inverter welding machine, decompact, modular	090-005591-00502
<b>Drive 4 Basic S</b>	Wire feeder, Euro torch connector	090-005597-00502
Drive 4 Basic S D200		090-005596-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>cool50-2 U40</b>	Cooling unit with centrifugal pump	090-008603-00502
<b>MIG W 7POL 70qmm 450A/60% 1m</b>	Intermediate hose package, water-cooled, 7-pole	094-000406-00000
MIG W 7POL 70qmm 450A/60% 5m		094-000406-00001
MIG W 7POL 70qmm 450A/60% 10m		094-000406-00002
MIG W 7POL 70qmm 450A/60% 15m		094-000406-00004
<b>PM 451 W M9 4 m</b>	MIG/MAG welding torch, water-cooled	094-700004-00004
PM 451 W M9 3 m		094-700004-00000
PM 451 W M9 5 m		094-700004-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 55-6</b>	Transport cart for a power source, cooling unit and shielding gas cylinder	090-008825-00000
<b>ON TR Trolley 55-5 / 55-6</b>	Cross arm and holder for wire feeder	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	092-002712-00000
<b>KF 23E-10, -10</b>	Coolant (-10 °C), 9.3 l	094-000530-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus 505 Basic S, water-cooled, Trolley 55-6

<b>Taurus 505 Basic S</b>	MIG/MAG inverter welding machine, decompact, modular	090-005601-00502
<b>Drive 4 Basic S</b>	Wire feeder, Euro torch connector	090-005597-00502
Drive 4 Basic S D200		090-005596-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>cool50-2 U40</b>	Cooling unit with centrifugal pump	090-008603-00502
<b>MIG W 7POL 95qmm 550A/60% 1m</b>	Intermediate hose package, water-cooled, 7-pole	094-000407-00000
MIG W 7POL 95qmm 550A/60% 5m		094-000407-00001
MIG W 7POL 95qmm 550A/60% 10m		094-000407-00002
MIG W 7POL 95qmm 550A/60% 15m		094-000407-00006
<b>PM 551 W M9 3 m</b>	MIG/MAG welding torch, water-cooled	094-700005-00000
PM 551 W M9 4 m		094-700005-00004
PM 551 W M9 5 m		094-700005-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 55-6</b>	Transport cart for a power source, cooling unit and shielding gas cylinder	090-008825-00000
<b>ON TR Trolley 55-5 / 55-6</b>	Cross arm and holder for wire feeder	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	092-002712-00000
<b>KF 23E-10, -10</b>	Coolant (-10 °C), 9.3 l	094-000530-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus 405 Basic S | Taurus 505 Basic S

### Taurus 405 Basic S, gas-cooled, Trolley 55-6

<b>Taurus 405 Basic S</b>	MIG/MAG inverter welding machine, decompact, modular	090-005591-00502
<b>Drive 4 Basic S</b>	Wire feeder, Euro torch connector	090-005597-00502
Drive 4 Basic S D200		090-005596-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>MIG G 7POL 70qmm 450A/60% 1m</b>		094-000580-00000
MIG G 7POL 70qmm 450A/60% 5m	Intermediate hose package, gas-cooled, 7-pole	094-000580-00001
MIG G 7POL 70qmm 450A/60% 10m		094-000580-00002
MIG G 7POL 70qmm 450A/60% 15m		094-000580-00005
<b>PM 401 G M9 4 m</b>		094-700002-00004
PM 401 G M9 3 m	MIG/MAG welding torch, gas-cooled	094-700002-00000
PM 401 G M9 5 m		094-700002-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 55-6</b>	Transport cart for a power source, cooling unit and shielding gas cylinder	090-008825-00000
<b>ON TR Trolley 55-5 / 55-6</b>	Cross arm and holder for wire feeder	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	092-002712-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

### Taurus 505 Basic S, gas-cooled, Trolley 55-6

<b>Taurus 505 Basic S</b>	MIG/MAG inverter welding machine, decompact, modular	090-005601-00502
<b>Drive 4 Basic S</b>	Wire feeder, Euro torch connector	090-005597-00502
Drive 4 Basic S D200		090-005596-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>MIG G 7POL 95qmm 550A/60% 1m</b>		094-007726-00000
MIG G 7POL 95qmm 550A/60% 5m	Intermediate hose package, gas-cooled, 7-pole	094-007726-00001
MIG G 7POL 95qmm 550A/60% 10m		094-007726-00002
MIG G 7POL 95qmm 550A/60% 15m		094-007726-00003
<b>PM 401 G M9 3 m</b>		094-700002-00000
PM 401 G M9 4 m	MIG/MAG welding torch, gas-cooled	094-700002-00004
PM 401 G M9 5 m		094-700002-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 55-6</b>	Transport cart for a power source, cooling unit and shielding gas cylinder	090-008825-00000
<b>ON TR Trolley 55-5 / 55-6</b>	Cross arm and holder for wire feeder	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	092-002712-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus 405 Basic S, gas-cooled, Trolley 35-6

<b>Taurus 405 Basic S</b>	MIG/MAG inverter welding machine, decompact, modular	090-005591-00502
<b>Drive 4 Basic S</b>	Wire feeder, Euro torch connector	090-005597-00502
Drive 4 Basic S D200		090-005596-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>MIG G 7POL 70qmm 450A/60% 1m</b>		094-000580-00000
MIG G 7POL 70qmm 450A/60% 5m	Intermediate hose package, gas-cooled, 7-pole	094-000580-00001
MIG G 7POL 70qmm 450A/60% 10m		094-000580-00002
MIG G 7POL 70qmm 450A/60% 15m		094-000580-00005
<b>PM 401 G M9 4 m</b>		094-700002-00004
PM 401 G M9 3 m	MIG/MAG welding torch, gas-cooled	094-700002-00000
PM 401 G M9 5 m		094-700002-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 35-6</b>	Transport cart for a power source with a wire feeder	090-008827-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Taurus 505 Basic S, gas-cooled, Trolley 35-6

<b>Taurus 505 Basic S</b>	MIG/MAG inverter welding machine, decompact, modular	090-005601-00502
<b>Drive 4 Basic S</b>	Wire feeder, Euro torch connector	090-005597-00502
Drive 4 Basic S D200		090-005596-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	092-003464-00001
<b>MIG G 7POL 95qmm 550A/60% 1m</b>		094-007726-00000
MIG G 7POL 95qmm 550A/60% 5m	Intermediate hose package, gas-cooled, 7-pole	094-007726-00001
MIG G 7POL 95qmm 550A/60% 10m		094-007726-00002
MIG G 7POL 95qmm 550A/60% 15m		094-007726-00003
<b>PM 401 G M9 3 m</b>		094-700002-00000
PM 401 G M9 4 m	MIG/MAG welding torch, gas-cooled	094-700002-00004
PM 401 G M9 5 m		094-700002-00005
<b>WK70mm<sup>2</sup> 450A/60% 4m/Z</b>	Workpiece lead with clamp	092-000013-00000
<b>DM 842 Ar/CO2 230bar 30l D</b>	Pressure regulator with manometer	394-002910-00030
<b>Trolley 35-6</b>	Transport cart for a power source with a wire feeder	090-008827-00000
<b>OW CEE 32A</b>	Mains plug, assembled (CEE 32 A)	092-008215-00000
<b>KOS26</b>	Customised configuration with assembly for decompact systems	092-002685-00001
<b>KOS27</b>	Commissioning: 1 hour	KOS-V00027-00000

## Welding machine accessories

### cool50-2 U40



- Cooling unit for water-cooled welding torches
- Water connections on the front and rear, for decompact machines (TDM).
- We recommend using a **cooling unit with a reinforced pump** for an overall hose package length of 30 m and above, or for machines with an additional miniDrive of 20 m and above
- Modular design, tool-free assembly
- Excellent torch cooling and therefore cost savings on consumables thanks to the high-performance centrifugal pump
- External coolant water filling nozzle with filling level indicator

<b>Cooling output</b>	1000 W (1l/min)
<b>Flow rate</b>	5 l/min
<b>Tank capacity</b>	5 l
<b>Coolant outlet pressure</b>	3.5 bar
<b>Dimensions cooling unit in mm</b>	695 x 298 x 329

Designation	Weight, cooling unit kg	Flow rate l/min	Coolant outlet pressure bar	Item no.
Cooling unit with centrifugal pump	16.5	5.0	3.5	090-008603-00502
Cooling unit with boosted pump	17.0	20.0	4.5	090-008796-00502

### ON Case



- Tool box for mounting to transport cart Trolley 55-5/Trolley 55-6
- All tools and replacement parts always to hand.
- Only available in conjunction with Trolley 55-6/55-5 without an additional cooling unit

Designation	Item no.
Tool box for mounting to transport cart Trolley 55-5/Trolley 55-6	092-002899-00000

### Trolley 55-6



- Transport cart
- Solid, stable design
- For transporting a power source, a cooling unit and one or two shielding gas cylinders
- Can be lifted by crane as standard
- Supplied with roll brakes

<b>Trolley dimensions L x W x H in mm</b>	1114 x 678 x 1486
<b>Trolley weight</b>	35 kg

Designation	Version	Item no.
Transport cart for a power source, cooling unit and shielding gas cylinder	A shielding gas cylinder	090-008825-00000
Transport cart for a power source, cooling unit and two shielding gas cylinders	Two shielding gas cylinders	090-008826-00000

### ON PS Trolley 55-5 / 55-6



- Pivot support (360°) for wire feeders
- Wire feeder pivots 360° on the welding machine
- For all wire feeders from the Drive 4X series and Drive 4X D200 series on Trolley 55-6/Trolley 55-5

Designation	Item no.
Pivot support (360°) for wire feeders	092-002712-00000

### ON TR Trolley 55-5 / 55-6



- Large cross arm for housing a wire feeder
- Mandatory when using EWM tigSpeed and Drive 4X IC/Drive 4 IC in conjunction with Trolley 55-6/Trolley 55-5
- Can also be used as a rack and handle for better processing of designs without a wire feeder

Designation	PU Unit	Item no.
Cross arm and holder for wire feeder	1	092-002700-00000

### Trolley 35-6



- Transport cart
- Best suited to particularly uneven areas
- Housing for a power source and a wire feeder
- Solid, stable design

<b>Trolley dimensions L x W x H in mm</b>	600 x 580 x 1200
<b>Trolley weight</b>	33 kg

Designation	PU Unit	Item no.
Transport cart for a power source with a wire feeder	1	090-008827-00000

### R10



- Voltage correction from -10V to +10V
- Infinitely variable setting of wire-feed speed (0.5–24 m/min)
- Robust metal casing with rubber feet, retaining clip and holding magnet, 19-pole connection socket
- Cable not supplied in delivery, please order connection cable separately

<b>Dimensions in mm</b>	180 x 100 x 70
<b>Connection</b>	19-pole

Designation	PU Unit	Item no.
Remote control, wire speed setting, welding voltage correction	1	090-008087-00502

## Welding machine accessories

### RG10



- Plastic casing with retaining clip, 19-pole connection socket
- Light, robust and convenient
- Voltage correction from -10 V to +10 V
- Infinitely variable setting of wire-feed speed (0.5–24 m/min)
- With pre-fitted 5-m connection cable

<b>Dimensions in mm</b>	260 x 147 x 75
<b>Cable length</b>	5
<b>Connection</b>	19-pole

<b>Designation</b>	<b>PU Unit</b>	<b>Item no.</b>
Remote control, wire speed setting, welding voltage correction	1	090-008108-00000

### R11



- Remote control to set the wire speed and welding voltage
- Infinite setting of the welding voltage (10–50 V)
- Infinitely variable setting of wire-feed speed (0.5–24 m/min)
- Robust metal casing with rubber feet, retaining clip and holding magnet, 19-pole connection socket
- Cable not supplied in delivery, please order connection cable separately

<b>Dimensions in mm</b>	180 x 100 x 70
<b>Connection</b>	19-pole

<b>Designation</b>	<b>PU Unit</b>	<b>Item no.</b>
Remote control to set the wire speed and welding voltage	1	090-008601-00502

### RG11



- Remote control to set the wire speed and welding voltage
- Plastic casing with retaining clip, 19-pole connection socket
- Light, robust and convenient
- Infinite setting of the welding voltage (10–50 V)
- Infinitely variable setting of wire-feed speed (0.5–24 m/min)
- With pre-fitted 5-m connection cable

<b>Dimensions in mm</b>	260 x 147 x 75
<b>Cable length</b>	5
<b>Connection</b>	19-pole

<b>Designation</b>	<b>PU Unit</b>	<b>Item no.</b>
Remote control to set the wire speed and welding voltage	1	090-008107-00000

### RA5 19POL



<b>Connection</b>	19-pole
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<b>Designation</b>	<b>Cable length m</b>	<b>PU Unit</b>	<b>Item no.</b>
Connection cables	5.0	1	092-001470-00005
	10.0		092-001470-00010
	20.0		092-001470-00020

### ON Filter 355/405/505/50



- Dirt filter for air inlet
- Reliably protects the machine from impurities in difficult working conditions.
- Suitable for decompact Phoenix xx5, Taurus xx5 and Microplasma xx5, as well as cool50 U40 and cool50-2 U40

Designation	PU Unit	Item no.
Dirt filter for air inlet	1	092-002698-00000

### ON TH XX5 R



- Torch holder for attaching to the welding machine
- Item is supplied with every suitable machine!

Designation	Item no.
Torch holder, right	092-002699-00000

### WK 4M/Z



<b>Material type</b>	H 01 N2 neoprene
<b>Length</b>	4
<b>Standards</b>	VDE 0281
<b>Plug Ø</b>	13 mm
<b>Characteristics</b>	Clamp with wing nut
<b>Approvals</b>	CE

Designation	Welding current	PU Unit	Cross-section mm <sup>2</sup>	Item no.
	A			
Workpiece lead with clamp	400	1	70	092-000013-00000
	500		95	092-000171-00000

### Electrode holder with cable



- Fully assembled electrode holder with cable

<b>Material type</b>	H 01 N2 neoprene
<b>Length</b>	4
<b>Standards</b>	EN 60974-11
<b>Plug Ø</b>	13 mm
<b>Approvals</b>	CE

Designation	Welding current	PU Unit	Cross-section mm <sup>2</sup>	Item no.
	A			
Electrode holder with cable	250	1	35	092-000052-00000
	300		50	092-000004-00000
	400		70	092-000011-00000
	500		95	092-000010-00000

### KF 23E-10



- Coolant for water-cooled welding machines and cooling units

<b>Freezing point</b>	-10 °C
<b>Contents</b>	9.3 l

Designation	PU Unit	Item no.
Coolant (-10 °C), 9.3 l	1	094-000530-00000

## Intermediate hose packages

### 70QMM MIG G



- Gas-cooled intermediate hose package
- Control cables for high mechanical loads
- Fabric-sheathed, diffusion-free shielding gas hoses
- Control cable plugs cannot be accidentally swapped
- Torsion-resistant and anti-twist control cables
- Rapid action closures, tool-free assembly
- Fabric- and plastic-sheathed protective hoses are made to be rugged
- Plug connectors in industrial quality
- Large cross-sections prevent voltage drops

<b>Connection</b>	7-pole
<b>Cross-section</b>	70 mm <sup>2</sup>
<b>Max. welding current</b>	450 A

Designation	Hose package length	PU	Item no.
	m		
Intermediate hose package, gas-cooled, 7-pole	1.0	1	094-000580-00000
	5.0		094-000580-00001
	10.0		094-000580-00002
	15.0		094-000580-00005
	20.0		094-000580-00003
	30		094-000580-00006

### 95QMM MIG G



- Gas-cooled intermediate hose package
- Control cables for high mechanical loads
- Fabric-sheathed, diffusion-free shielding gas hoses
- Control cable plugs cannot be accidentally swapped
- Torsion-resistant and anti-twist control cables
- Rapid action closures, tool-free assembly
- Fabric- and plastic-sheathed protective hoses are made to be rugged
- Plug connectors in industrial quality
- Large cross-sections prevent voltage drops

<b>Connection</b>	7-pole
<b>Cross-section</b>	95 mm <sup>2</sup>
<b>Max. welding current</b>	550 A

Designation	Hose package length	PU	Item no.
	m		
Intermediate hose package, gas-cooled, 7-pole	1.0	1	094-007726-00000
	5.0		094-007726-00001
	10.0		094-007726-00002
	15.0		094-007726-00003
	20.0		094-007726-00004
	30		094-007726-00005
	40		094-007726-00007

### 70QMM MIG W



- Water-cooled intermediate hose package
- Control cables for high mechanical loads
- Fabric-sheathed, diffusion-free shielding gas hoses
- Coolant lines marked in colour
- Control cable plugs cannot be accidentally swapped
- Torsion-resistant and anti-twist control cables
- Rapid action closures, tool-free assembly
- Fabric- and plastic-sheathed protective hoses are made to be rugged
- Plug connectors in industrial quality
- Large cross-sections prevent voltage drops

<b>Connection</b>	7-pole
<b>Cross-section</b>	70 mm <sup>2</sup>
<b>Max. welding current</b>	450 A

Designation	Hose package length m	PU Unit	Item no.
Intermediate hose package, water-cooled, 7-pole	1.0	1	094-000406-00000
	5.0		094-000406-00001
	10.0		094-000406-00002
	15.0		094-000406-00004
	20.0		094-000406-00005
	30		094-000406-00006

### 95QMM MIG W



- Water-cooled intermediate hose package
- Control cables for high mechanical loads
- Fabric-sheathed, diffusion-free shielding gas hoses
- Coolant lines marked in colour
- Control cable plugs cannot be accidentally swapped
- Torsion-resistant and anti-twist control cables
- Rapid action closures, tool-free assembly
- Fabric- and plastic-sheathed protective hoses are made to be rugged
- Plug connectors in industrial quality
- Large cross-sections prevent voltage drops

<b>Connection</b>	7-pole
<b>Cross-section</b>	95 mm <sup>2</sup>
<b>Max. welding current</b>	550 A

Designation	Hose package length m	PU Unit	Item no.
Intermediate hose package, water-cooled, 7-pole	1.0	1	094-000407-00000
	5.0		094-000407-00001
	10.0		094-000407-00002
	15.0		094-000407-00006
	20.0		094-000407-00007
	30		094-000407-00003
	40		094-000407-00008

# Taurus Steel

## Wire feed units - Drive 4X Steel

- Portable, optional crane attachment, water-cooled, Euro torch connector
- Suitable for 200 mm or 300 mm wire spools
- Easy transport thanks to low weight and compact design
- Illumination of internal spaces
- Solidly-designed base of aluminium continuous casting
- Connection socket for electrode holder as standard
- Standard sliding rails as well as transparent cover cap for protection of the control system
- Rugged electronics in a dust-free enclosure
- Adjustable start and end-crater functions
- Protected arrangement of connections for intermediate hose packages and control cables
- Non-technical personnel can change hose packages without tools
- eFeed: Innovative 4-roll drive (4x toothed)
  - Double ball bearings per axle
  - Tool-free roll change, permanently secured roll fasteners
  - Adjustable contact pressure for each roll pair
  - Rolls colour-coded for wire diameter and material
- 4-roll drive. Equipped for 1.0 mm + 1.2 mm steel wires

### Drive 4X Steel puls S



- MIG/MAG wire feeder for Taurus Steel puls S
- Pulsed MIG/MAG welding, MIG/MAG welding, MMA welding and gouging
- Significantly less spatter formation and therefore less finishing work thanks to the pulse function

<b>Wire speed m/min</b>	0.5 m/min - 25 m/min
<b>Wire speed ipm</b>	19.68 ipm - 944.88 ipm
<b>Roller diameter</b>	37 mm
<b>Wire feeder, LxWxH in mm</b>	660 x 280 x 380
<b>Wire feeder weight</b>	13 kg

Designation	Item no.
Wire feeder, Euro torch connector	090-005593-00502

### Drive 4X Steel Synergic S



- MIG/MAG wire feeder for Taurus Steel Synergic S
- MIG/MAG welding, MMA welding and gouging

<b>Wire speed m/min</b>	0.5 m/min - 25 m/min
<b>Wire speed ipm</b>	19.68 ipm - 944.88 ipm
<b>Roller diameter</b>	37 mm
<b>Wire feeder, LxWxH in mm</b>	660 x 280 x 380
<b>Wire feeder weight</b>	13 kg

Designation	Item no.
Wire feeder, Euro torch connector	090-005595-00502

### Drive 4 Basic S



- MIG/MAG wire feeder for Taurus Basic S
- MIG/MAG welding, MMA welding and gouging
- Most simple operation and selection of the welding tasks CV (MAG)/CC (MMA)

<b>Wire speed m/min</b>	0.5 m/min - 25 m/min
<b>Wire speed ipm</b>	19.68 ipm - 944.88 ipm
<b>Roller diameter</b>	37 mm
<b>Wire feeder, LxWxH in mm</b>	660 x 280 x 380
<b>Wire feeder weight</b>	13 kg

Designation	Item no.
Wire feeder, Euro torch connector	090-005597-00502

### Drive roll set



- Drive roll set, V-groove for steel, stainless steel and brazing
- Four roll set

<b>Colour code</b>	White
<b>Groove shape</b>	V-groove

Designation	Colour code	Wire Ø mm	Item no.
Drive roll set, 37 mm, 4 rolls, V-groove for steel, stainless steel, nickel and copper alloys	white/blue	0.8 - 1	092-002770-00009
	Blue/Red	1 - 1.2	092-002770-00011
	Green	1.4	092-002770-00014
	Black	1.6	092-002770-00016
	Grey	2.0	092-002770-00020
	Brown	2.4	092-002770-00024
	Light green	2.8	092-002770-00028
	Violet	3.2	092-002770-00032

### SET WF 2,0-3,2mm eFeed

Designation	PU Unit	Item no.
Wire feed set for rolls with diameters greater than 1.6 mm	1	092-019404-00000

### CapTub 108 mm

- Capillary tube for use on a steel liner when welding steel wire



Designation	Length mm	Item no.
Capillary tube	107	094-006634-00000
	105	094-021470-00000

## Wire feed units - Options for retrofitting the Drive 4X

### ON PDM Drive XQ



- Cover lens made of transparent plastic
- Protects control against dirt and damage
- Operation still possible thanks to recesses for the rotary knobs

<b>Version</b>	For HP-XQ/Taurus Steel puls/Taurus Steel Synergic control
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Designation	Item no.
● Cover lens made of transparent plastic	092-003478-00000

### ON WAK D01



- Wheel set
- Makes drive 4X even more versatile
- Ensures limitless mobility
- Large rollers (Ø 125 mm) for optimal freedom of movement

Designation	Item no.
Wheel assembly kit	092-002844-00000

### ON RFAK drive



- Rubber feet to replace sliding rails

Designation	Item no.
Rubber feet	092-002845-00000

### ON GK drive



- Metal runners

Designation	PU Unit	Item no.
Metal runners	1	092-003030-00000

### ON TS D01/D02



- Torch holder
- For greater safety while working
- Extends torch service life
- Keeps work area organised

Designation	Item no.
Torch holder for drive XQ, drive 4X, drive 4 Basic and drive 4X IC	092-002836-00000

**ON CONNECTOR D01/D02**



- Connection for drum feed
- Drum-based feed boosts effectiveness
- Less need to change wire spools saves time

Designation	PU Unit	Item no.
Connection for wire feeding from drum	1	092-002842-00000

**ON CMF D01**



- Crane suspension for safe and easy transportation
- Maximum mobility even during suspension operations

Designation	Item no.
Crane suspension	092-002833-00000

**ON TCC D01**



- Heavy-duty set: safety plate and crane suspension
- For optimised protection under tough conditions
- For standing, vertical and suspension operation
- Temperature- and impact-resistant sliding safety plate
- Crane suspension for maximum mobility and easy, safe transport

Designation	Item no.
Set comprised of crane suspension bracket and protective plate, for using the wire feeder in a lateral position	092-002835-00000

**ON CC D01**



- Protective cap made of transparent plastic
- Reliable protection for the entire control
- Good visibility of the protected display

Designation	Item no.
Transparent cover cap for protecting the control	092-002834-00000

## Wire feed units - Drive 4X Steel D200

- Wire feeder housing: Plastic
- Spool diameter up to 200 mm
- Adjustment of the gas quantity directly on the wire feeder via the gas control valve
- Adjustable start and end-crater functions
- Protected arrangement of connections for intermediate hose packages and control cables
- Non-technical personnel can change hose packages without tools
- 4-roll drive. Equipped for 1.0 mm + 1.2 mm steel wires

### Drive 4X Steel puls S D200



- MIG/MAG wire feeder for Taurus Steel puls S
- Pulsed MIG/MAG welding, MIG/MAG welding, MMA welding and gouging
- Significantly less spatter formation and therefore less finishing work thanks to the pulse function

<b>Wire speed m/min</b>	0.5 m/min - 25 m/min
<b>Wire speed ipm</b>	19.68 ipm - 944.88 ipm
<b>Wire feeder, LxWxH in mm</b>	585 x 276 x 340
<b>Wire feeder weight</b>	13.8 kg

Designation	Item no.
Wire feeder, Euro torch connector	090-005592-00502

### Drive 4X Steel Synergic S D200



- MIG/MAG wire feeder for Taurus Steel Synergic S
- MIG/MAG welding, MMA welding and gouging

<b>Wire speed m/min</b>	0.5 m/min - 25 m/min
<b>Wire speed ipm</b>	19.68 ipm - 944.88 ipm
<b>Wire feeder, LxWxH in mm</b>	585 x 276 x 340
<b>Wire feeder weight</b>	13.8 kg

Designation	Item no.
Wire feeder, Euro torch connector	090-005594-00502

### Drive 4 Basic S D200



- MIG/MAG wire feeder for Taurus Basic S
- MIG/MAG welding, MMA welding and gouging
- Most simple operation and selection of the welding tasks CV (MAG)/CC (MMA)

<b>Wire speed m/min</b>	0.5 m/min - 25 m/min
<b>Wire speed ipm</b>	19.68 ipm - 944.88 ipm
<b>Wire feeder, LxWxH in mm</b>	585 x 276 x 340
<b>Wire feeder weight</b>	13.8 kg

Designation	Item no.
Wire feeder, Euro torch connector	090-005596-00502

# Wire feed units

## ON PDM Titan XQ



- Cover lens made of transparent plastic
- Protects control against dirt and damage
- Operation still possible thanks to recesses for the rotary knobs

<b>Version</b>	For HP-XQ/Taurus Steel puls/Taurus Steel Synergic control
----------------	---

Designation	Item no.
Transparent cover lens for machine control	092-003479-00000

## Drive roll set for steel



- Spare rolls for steel wire (standard steel model)
- Includes two drive rolls

Designation	Wire Ø	Roller diameter mm	PU Unit	Item no.
	mm			
Drive roll set for steel	0.6 - 0.8	37	1	092-000839-00000
	0.8 - 1			092-000840-00000
	0.9 - 1.2			092-000841-00000
	1 - 1.2			092-000842-00000
	1.2 - 1.6			092-000843-00000

## Pressure rolls, steel wire



- Spare pressure rolls, steel, standard

<b>Roller diameter</b>	37 mm
------------------------	-------

Designation	PU Unit	Item no.
Pressure rolls, smooth, 37 mm	1	092-000844-00000

## Drive roll set for flux cored wire



- Spare rollers flux cored wire
- Includes two drive rolls

Designation	Wire Ø	Wire Ø 2	Roller diameter mm	PU Unit	Item no.
	mm	mm			
Drive roll set for flux cored wire	0.8 - 0.9	0.8 - 0.9	37	1	092-000834-00000
	1 - 1.2	1.4 - 1.6			092-000835-00000
	1.4 - 1.6	2 - 2.4			092-000836-00000
	2.8	3.2			092-000837-00000

## Pressure rolls for flux cored wire



- Replacement pressure rolls, flux cored wire

<b>Roller diameter</b>	37 mm
------------------------	-------

Designation	PU Unit	Item no.
Pressure rolls for flux cored wire	1	092-000838-00000

## Wire feed units - miniDrive • intermediate drive

### miniDrive WS



- miniDrive with hose package
- A reinforced coolant pump is required for operation with hose packages featuring an overall length of 20 m or longer.
- 2-roll drive with 37 mm drive rolls. Equipped for 1.0 mm + 1.2 mm steel wires
- Hose packages length up to 25 m possible
- Large action radius for welding in hard-to-reach places
- Robust housing with small dimensions and low weight
- Setting corrections and wire inching can be carried out directly at the machine
- Intermediate hose packages for aluminium welding are only available up to a length of 15 m!
- Connection capability for remote control

<b>Wire speed m/min</b>	1 m/min - 20 m/min
<b>Welding current</b>	400 A
<b>Roller diameter</b>	37 mm
<b>Wire feeder, LxWxH in mm</b>	300 x 180 x 200
<b>Cross-section</b>	70 mm <sup>2</sup>
<b>Weight without accessories</b>	7.5 kg

Designation	Length m	PU Unit	Item no.
miniDrive with hose package for gas-cooled torches	10.0	1	090-005262-00110
	15.0		090-005262-00115
	20.0		090-005262-00120
	25		090-005262-00125
miniDrive with hose package for water-cooled torches	10.0		090-005262-01110
	15.0		090-005262-01115
	20.0		090-005262-01120
	25		090-005262-01125

### miniDrive WS V+A



- miniDrive with hose package for water-cooled torches with volt and ammeter
- A reinforced coolant pump is required for operation with hose packages featuring an overall length of 20 m or longer.
- 2-roll drive with 37 mm drive rolls. Equipped for 1.0 mm + 1.2 mm steel wires
- Hose packages length up to 25 m possible
- Large action radius for welding in hard-to-reach places
- Robust housing with small dimensions and low weight
- Setting corrections and wire inching can be carried out directly at the machine
- Intermediate hose packages for aluminium welding are only available up to a length of 15 m!
- Utilisation of function torch with X technology not possible
- Connection capability for remote control

<b>Wire speed m/min</b>	1 m/min - 20 m/min
<b>Welding current</b>	400 A
<b>Roller diameter</b>	37 mm
<b>Wire feeder, LxWxH in mm</b>	300 x 180 x 200
<b>Weight without accessories</b>	7.5 kg

Designation	Length m	Item no.
miniDrive with hose package for water-cooled welding torches with voltmeter and ammeter	10.0	090-005396-01110
	15.0	090-005396-01115
	20.0	090-005396-01120
	25	090-005396-01125

**Replacement roll for steel wire**



- Spare rolls for steel wire (standard steel model)
- Includes one drive roll

Designation	Wire Ø mm	Roller diameter mm	PU Unit	Item no.
Drive roll, 37 mm, for steel	0.6 - 0.8	37	1	094-003217-00000
	0.8 - 1			094-003218-00000
	0.9 - 1.2			094-003221-00000
	1 - 1.2			094-003219-00000
	1.2 - 1.6			094-003220-00000

**FE GR2R**

Designation	Item no.
Pressure roll set, smooth, 37 mm	092-007908-00000

## PM MIG/MAG welding torch - Gas-cooled

### PM 401 G



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

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

Designation	Hose package length	PU	Item no.
	m		
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



- Gas-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- For EWM welding machines; the range of functions may be limited with other welding machines
- Fits all welding machines with a Euro torch connector
- 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

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

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

**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
- For EWM welding machines; the range of functions may be limited with other welding machines
- 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
- Safe and rugged; without control cable and additional connector plug

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

Designation	Hose package length	PU	Item no.
	m		
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 MIG/MAG welding torch - Water-cooled

### PM 451 W



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

<b>Duty cycle CO2</b>	500 A / 100 %
<b>Duty cycle M21</b>	450 A / 100 %
<b>Duty cycle M21 pulse</b>	350 A / 100 %
<b>Wire Ø</b>	0.8 mm - 1.6 mm
<b>Connection</b>	Euro torch connector
<b>Bend angle torch neck</b>	45 °
<b>Operating weight</b>	1.09 kg

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

### PM 451 W LED



- Water-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- For EWM welding machines; the range of functions may be limited with other welding machines
- Fits all welding machines with a Euro torch connector
- 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

<b>Duty cycle CO2</b>	500 A / 100 %
<b>Duty cycle M21</b>	450 A / 100 %
<b>Duty cycle M21 pulse</b>	350 A / 100 %
<b>Wire Ø</b>	0.8 mm - 1.6 mm
<b>Connection</b>	Euro torch connector
<b>Bend angle torch neck</b>	45 °
<b>Operating weight</b>	1.09 kg

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

**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
- For EWM welding machines; the range of functions may be limited with other welding machines
- 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
- Safe and rugged; without control cable and additional connector plug

<b>Duty cycle CO2</b>	500 A / 100 %
<b>Duty cycle M21</b>	450 A / 100 %
<b>Duty cycle M21 pulse</b>	350 A / 100 %
<b>Wire Ø</b>	0.8 mm - 1.6 mm
<b>Connection</b>	Euro torch connector
<b>Bend angle torch neck</b>	45 °
<b>Operating weight</b>	1.09 kg

Designation	Hose package length	PU	Item no.
	m		
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 551 W**



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

<b>Duty cycle CO2</b>	650 A / 100 %
<b>Duty cycle M21</b>	550 A / 100 %
<b>Duty cycle M21 pulse</b>	500 A / 100 %
<b>Wire Ø</b>	0.8 mm - 2 mm
<b>Connection</b>	Euro torch connector
<b>Bend angle torch neck</b>	45 °
<b>Operating weight</b>	1.1 kg

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

## PM MIG/MAG welding torch - Water-cooled

### PM 551 W LED



- Water-cooled MIG/MAG welding torch
- Automatic LED lighting when the welding torch is moved
- For EWM welding machines; the range of functions may be limited with other welding machines
- Fits all welding machines with a Euro torch connector
- 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

<b>Duty cycle CO2</b>	650 A / 100 %
<b>Duty cycle M21</b>	550 A / 100 %
<b>Duty cycle M21 pulse</b>	500 A / 100 %
<b>Wire Ø</b>	0.8 mm - 2 mm
<b>Connection</b>	Euro torch connector
<b>Bend angle torch neck</b>	45 °
<b>Operating weight</b>	1.1 kg

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

### 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
- For EWM welding machines; the range of functions may be limited with other welding machines
- 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
- Safe and rugged; without control cable and additional connector plug

<b>Duty cycle CO2</b>	650 A / 100 %
<b>Duty cycle M21</b>	550 A / 100 %
<b>Duty cycle M21 pulse</b>	500 A / 100 %
<b>Wire Ø</b>	0.8 mm - 2 mm
<b>Connection</b>	Euro torch connector
<b>Bend angle torch neck</b>	45 °
<b>Operating weight</b>	1.1 kg

Designation	Hose package length	PU	Item no.
	m		
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

# MIG/MAG welding torches - UM MIG/MAG welding torch

## UM 36 G



- Gas-cooled standard MIG/MAG welding torch
- Ergonomic grip with ball joint
- Anti-kink spring on both the welding torch and the connection
- Type-related standard consumables
- **Equipment as supplied (steel wire Ø 1.2):**
- Gas nozzle, conical, Ø 16 mm; 84 mm
- Gas diffuser, 32.5 mm
- Contact tip M8 x 30 mm; Ø 1.2 mm
- Contact tip holder M8 x 35 mm

<b>Duty cycle CO2</b>	300 A / 60 %
<b>Duty cycle M21</b>	270 A / 60 %
<b>Wire Ø</b>	0.8 mm - 1.4 mm
<b>Torch connection</b>	Euro torch connector

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, gas-cooled	3.0	1	394-600003-00000
	4.0		394-600003-00004
	5.0		394-600003-00005

## UM 401 W



- Water-cooled standard MIG/MAG welding torch
- Ergonomic grip with ball joint
- Anti-kink spring on both the welding torch and the connection
- Type-related standard consumables
- **Equipment as supplied (steel wire Ø 1.2):**
- Gas nozzle, conical, Ø 16 mm; 76 mm
- Gas diffuser, "Longlife", 28 mm
- Contact tip M8 x 30 mm; Ø 1.2 mm
- Contact tip holder M8 x 25 mm

<b>Duty cycle CO2</b>	400 A / 100 %
<b>Duty cycle M21</b>	350 A / 100 %
<b>Wire Ø</b>	0.8 mm - 1.6 mm
<b>Torch connection</b>	Euro torch connector

Designation	Hose package length m	PU Unit	Item no.
MIG/MAG welding torch, water-cooled	3.0	1	394-600011-00000
	4.0		394-600011-00004
	5.0		394-600011-00005

## MIG/MAG welding torches - UM MIG/MAG welding torch

### UM 501 W



- Water-cooled standard MIG/MAG welding torch
- Ergonomic grip with ball joint
- Anti-kink spring on both the welding torch and the connection
- Type-related standard consumables
- **Equipment as supplied (steel wire Ø 1.2):**
- Gas nozzle, conical, Ø 16 mm; 76 mm
- Gas diffuser, "Longlife", 28 mm
- Contact tip M8 x 30 mm; Ø 1.2 mm
- Contact tip holder M8 x 25 mm

<b>Duty cycle CO2</b>	500 A / 100 %
<b>Duty cycle M21</b>	450 A / 100 %
<b>Wire Ø</b>	0.8 mm - 1.6 mm
<b>Torch connection</b>	Euro torch connector

Designation	Hose package length	Item no.
	m	
MIG/MAG welding torch, water-cooled	3.0	394-600012-00000
	4.0	394-600012-00004
	5.0	394-600012-00005

## HEADQUARTERS

EWM AG  
Dr. Günter-Henle-Straße 8 | 56271 Mündersbach | Germany  
Tel: +49 2680 181-0 | Fax: -244  
www.ewm-group.com | info@ewm-group.com

## TECHNOLOGY CENTRE

EWM AG  
Forststraße 7-13 | 56271 Mündersbach | Germany  
Tel: +49 2680 181-0 | Fax: -144  
www.ewm-group.com | info@ewm-group.com

## PRODUCTION, SALES AND SERVICE

EWM AG  
Dr. Günter-Henle-Straße 8 | 56271 Mündersbach | Germany  
Tel: +49 2680 181-0 | Fax: -244  
www.ewm-group.com | info@ewm-group.com

EWM HIGHTEC WELDING s.r.o.  
9. května 718 / 31 | 407 53 Jiřikov | Czech Republic  
Tel: +420 412 358-551 | Fax: -504  
www.ewm-jirikov.cz | info@ewm-jirikov.cz

EWM HIGH TECHNOLOGY (Kunshan) Ltd.  
10 Yuanshan Road, Kunshan | New & Hi-tech Industry Development Zone  
Kunshan City | Jiangsu | Post code 215300 | People's Republic of China  
Tel: +86 512 57867-188 | Fax: -182  
www.ewm.cn | info@ewm-group.cn

## SALES AND SERVICE LOCATIONS GERMANY

EWM AG | Sales and Technology Centre Rathenow  
Grünauer Fenn 4 | 14712 Rathenow  
Tel: +49 3385 49402-0 | Fax: -20  
www.ewm-rathenow.de | info@ewm-rathenow.de

EWM AG | Sales and Technology Centre Göttingen  
Rudolf-Winkel-Straße 7-9 | 37079 Göttingen  
Tel: +49 551 3070713-0 | Fax: -20  
www.ewm-goettingen.de | info@ewm-goettingen.de

EWM AG | Sales and Technology Centre Pulheim  
Dieselstraße 9b | 50259 Pulheim  
Tel: +49 2238 46466-0 | Fax: -14  
www.ewm-pulheim.de | info@ewm-pulheim.de

EWM AG | Sales and Technology Centre Koblenz  
August-Horch-Strasse 13a | 56070 Koblenz  
Tel: +49 261 963754-0 | Fax: -10  
www.ewm-koblenz.de | info@ewm-koblenz.de

EWM AG | Sales and Technology Centre Siegen  
Eiserfelder Straße 300 | 57080 Siegen  
Tel: +49 271 3878103-0 | Fax: -9  
www.ewm-siegen.de | info@ewm-siegen.de

EWM AG | Sales and Technology Centre Munich  
Gadastraße 18a | 85232 Bergkirchen  
Tel: +49 8142 284584-0 | Fax: -9  
www.ewm-muenchen.de | info@ewm-muenchen.de

EWM AG | Sales and Technology Centre Tett nang  
Karlsdorfer Straße 43 | 88069 Tett nang  
Tel: +49 7542 97998-0 | Fax: -29  
www.ewm-tett nang.de | info@ewm-tett nang.de

EWM AG | Sales and Technology Centre Neu-Ulm  
Heinkelstraße 8 | 89231 Neu-Ulm  
Tel: +49 731 7047939-0 | Fax: -15  
www.ewm-neu-ulm.de | info@ewm-neu-ulm.de

EWM AG | Sales and Technology Centre Nossen  
Gewerbstraße 8 | 01683 Nossen  
Tel: +49 35242 6512-0 | Fax: -20  
www.ewm-nossen.de | info@ewm-nossen.de

### Also coming up soon in Wittstock and Ibbenbüren:

EWM AG | Sales and Technology Centre Wittstock  
Ruppiner Straße 6 | 16909 Wittstock

EWM AG | Sales and Technology Centre Ibbenbüren  
Gildestraße 23 | 49477 Ibbenbüren

## SALES AND SERVICE LOCATIONS INTERNATIONAL

**China**  
EWM HIGH TECHNOLOGY (Kunshan) Ltd.  
10 Yuanshan Road, Kunshan | New & Hi-tech Industry Development Zone  
Kunshan City | Jiangsu | Post code 215300 | People's Republic of China  
Tel: +86 512 57867-188 | Fax: -182  
www.ewm.cn | info@ewm-group.cn

**Austria**  
EWM HIGHTEC WELDING GmbH  
Gewerbstraße 7 | 4653 Eberstalzell | Austria  
Tel: +43 7241 28400-0 | Fax: -20  
www.ewm-austria.at | info@ewm-austria.at

**Turkey**  
EWM KAYNAK SİSTEMLERİ TİC. LTD. ŞTİ.  
Orhangazi Mah. Mimsan San. Sit. 1714. Sok. 22/B blok No:12-14  
34538 Esenyurt | Istanbul · Turkey  
Tel: +90 212 494 32 19  
www.ewm.com.tr | turkey@ewm-group.com

**Great Britain**  
EWM HIGHTEC WELDING UK Ltd.  
Unit 2B Coopies Way | Coopies Lane Industrial Estate  
Morpeth | Northumberland | NE61 6JN | Great Britain  
Tel: +44 1670-505875 | Fax: -514305  
www.ewm-morpeth.co.uk | info@ewm-morpeth.co.uk

**Czech Republic**  
EWM HIGHTEC WELDING s.r.o.  
Sales and Service Centre Benesov u Prahy  
Tyršova 2106 | 256 01 Benešov u Prahy | Czech Republic  
Tel: +420 317 729-517 | Fax: -712  
www.ewm-benesov.cz | info@ewm-benesov.cz

**Poland**  
EWM AG Oddział w Polsce  
Gdańska 13A | 70-767 Stettin | Poland  
Tel: +48 91 433 08 70  
www.ewm-stettin.pl | info@ewm-stettin.pl

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Tel. +49 02680 181-0  
info@ewm-group.com  
[www.ewm-group.com/contact](http://www.ewm-group.com/contact)



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**EWM AG**  
Dr. Günter-Henle-Straße 8  
D-56271 Mündersbach  
Tel: +49 2680 181-0 · Fax: -244  
[www.ewm-group.com](http://www.ewm-group.com)  
info@ewm-group.com

Sales / Consultancy / Service