

MIG/MAG Steel welding

Taurus Steel puls S
Taurus Steel Synergic S
Taurus Basic S



Contents

General information	Page 4
Taurus Steel puls S	Page 24
Taurus Steel Synergic S	Page 27
Taurus Basic S	Page 30
Welding machine accessories	Page 36
Intermediate hose packages	Page 42
Wire feed units	Page 44
Intermediate drives	Page 51
Welding torches	Page 53



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 CO₂ 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

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.



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
+
Trolly 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.



Trolly 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

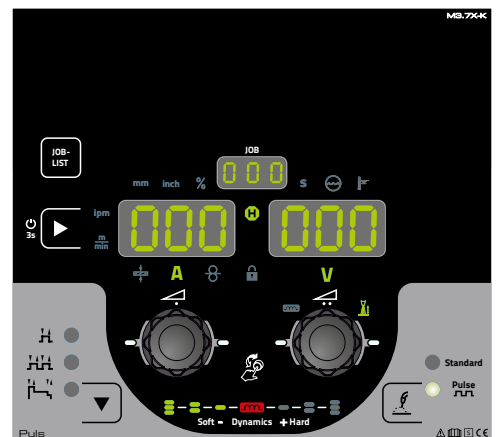
- D200 spools
- Inspection window indicates level of wire spool
- Dust-proof wire spool cap
- Can pass through manholes
- Standard Euro torch connector
- Especially small and lightweight
- With gas control valve as standard

FUNCTIONS OVERVIEW

The control variants

TAURUS STEEL PULS S

Synergetic one-knob
operation also for
pulsed welding



MIG/MAG



MMA



Gouging



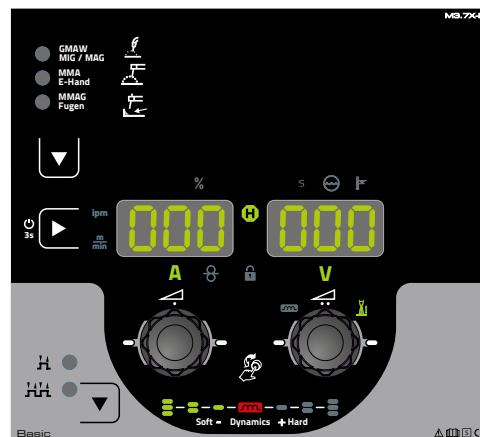
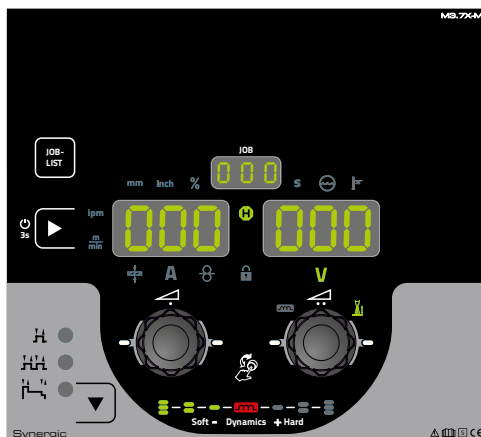
- Automatic synergetic one-knob operation
- 30 MAG characteristics
- Non-latched/latched
- Special latched with end-crater fill
- Setting and display of the arc dynamics
- Operating point selectable via material thickness, current and wire feed speed

TAURUS STEEL SYNERGIC S

Synergetic one-knob
operation for easy
setting

TAURUS BASIC S

Continuous
twin-knob
operation



MIG/MAG



MMA



Gouging



- 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

MIG/MAG



MMA



Gouging



- 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

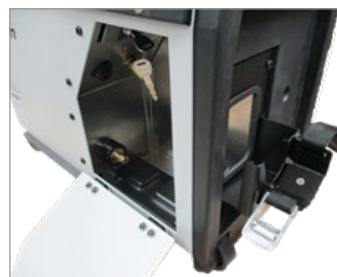


Equipment – sophisticated design

- 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

- For transporting a power source, a cooling unit and one or two shielding gas cylinders
- 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 55-5

System advantages

- For transporting a power source, a cooling unit and a gas cylinder
- Supplied with hose package holders on the sides
- 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

- Housing for a power source and a wire feeder
- 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 53



UM welding torches
see from Page 58



miniDrive
miniDrive with voltmeter
and ammeter
see from Page 51



Remote control
see from Page 38



Extra gas valve for
increased safety
092-003464-00001





Trolley 55-6
090-008826-00000



ON Extender Trolley 55-6
092-003507-00000



Trolley 55-5
090-008632-00000



Large cross arm
Trolley 55-6 / Trolley 55-5
092-002700-00000



Pivot support
Trolley 55-6 / Trolley 55-5
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 55-6 / Trolley 55-5
092-002899-00000









Dirt filter for air inlet
092-002698-00000










Torch holder
092-002699-00000

Overview of components

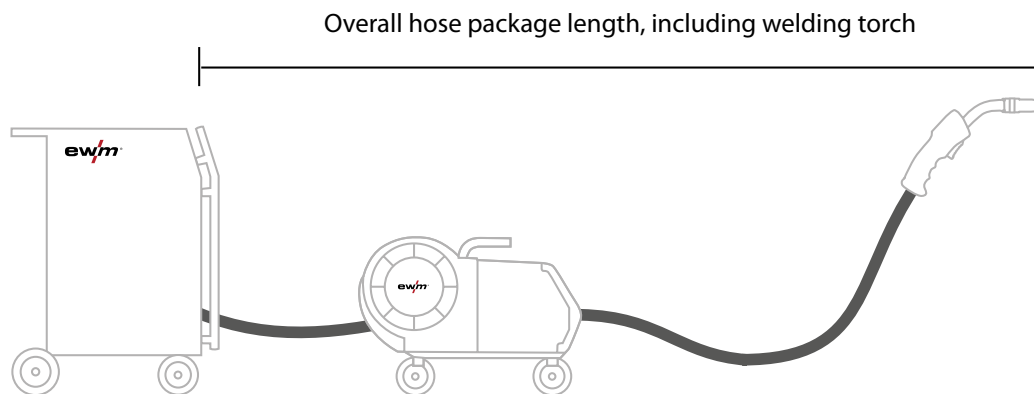
Below is an overview of which individual system components can be combined and which cannot:

		Water-cooled version	Gas-cooled version
Wire feeders			
	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		
Intermediate drive			
	miniDrive		✓
	miniDrive with voltmeter and ammeter display	✓	On request
Transport carts and accessories			
	Trolley 55-6		✓
	ON Extender Trolley 55-6		✓
	Cross arm Trolley 55-6 / 55-5		✓
	Pivot support Trolley 55-6 / 55-5		✓
	Toolbox Trolley 55-6 / 55-5	Only in conjunction with ON Extender	✓
	Trolley 55-5		✓
	Cross arm Trolley 55-6 / 55-5		✓
	Pivot support Trolley 55-6 / 55-5		✓
	Toolbox Trolley 55-6 / 55-5	nicht möglich	✓
	Trolley 35-6	not possible	✓

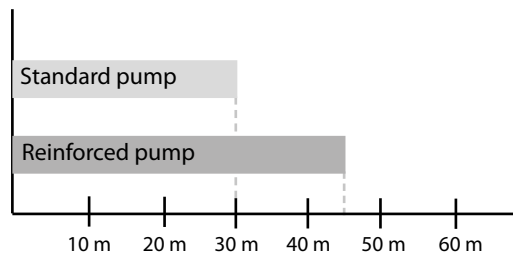
		Water-cooled version	Gas-cooled version
Water block			
	Cooling unit cool50-2 U40	✓	not possible
	Cooling unit with reinforced pump cool50-2 U42	✓	not possible
Welding torches			
	PM welding torch and PM function torch		✓
	UM welding torch		✓
Remote controls			
	Remote control for setting the wire feed speed and welding voltage		✓
Additional accessories			
	Dirt filter for air inlet		✓
	Factory-fit option: Extra gas valve for increased safety		✓
	Torch holder for attaching to the welding machine		✓

Use of standard pump/reinforced pump EWM welding machines

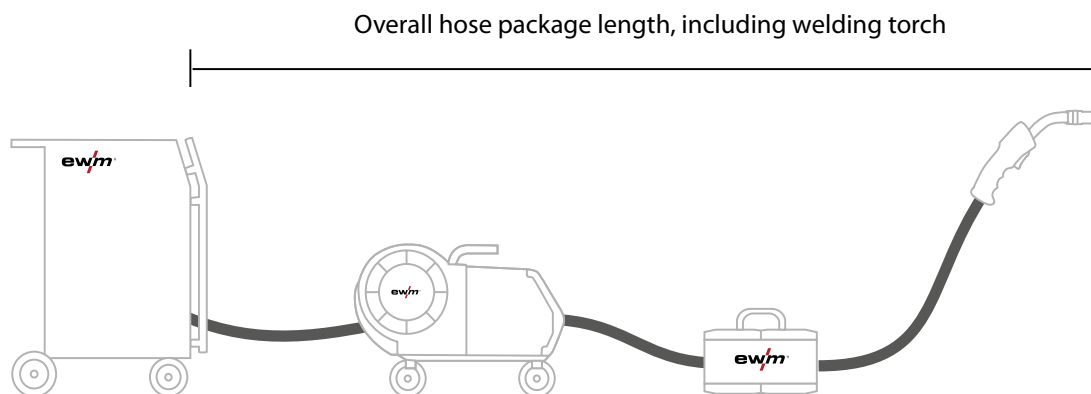
1) Welding machines with separate wire feeder



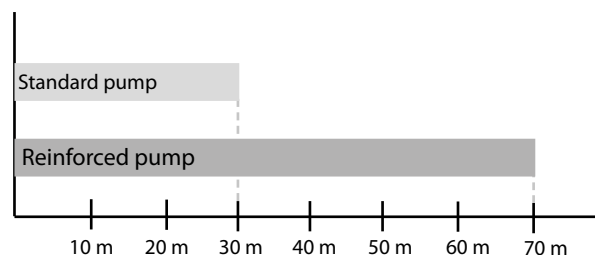
Standard pump: up to 30 m overall hose package length, including welding torch
Reinforced pump: up to 45 m overall hose package length, including welding torch



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



Standard pump: up to 30 m overall hose package length, including welding torch
Reinforced pump: up to 70 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

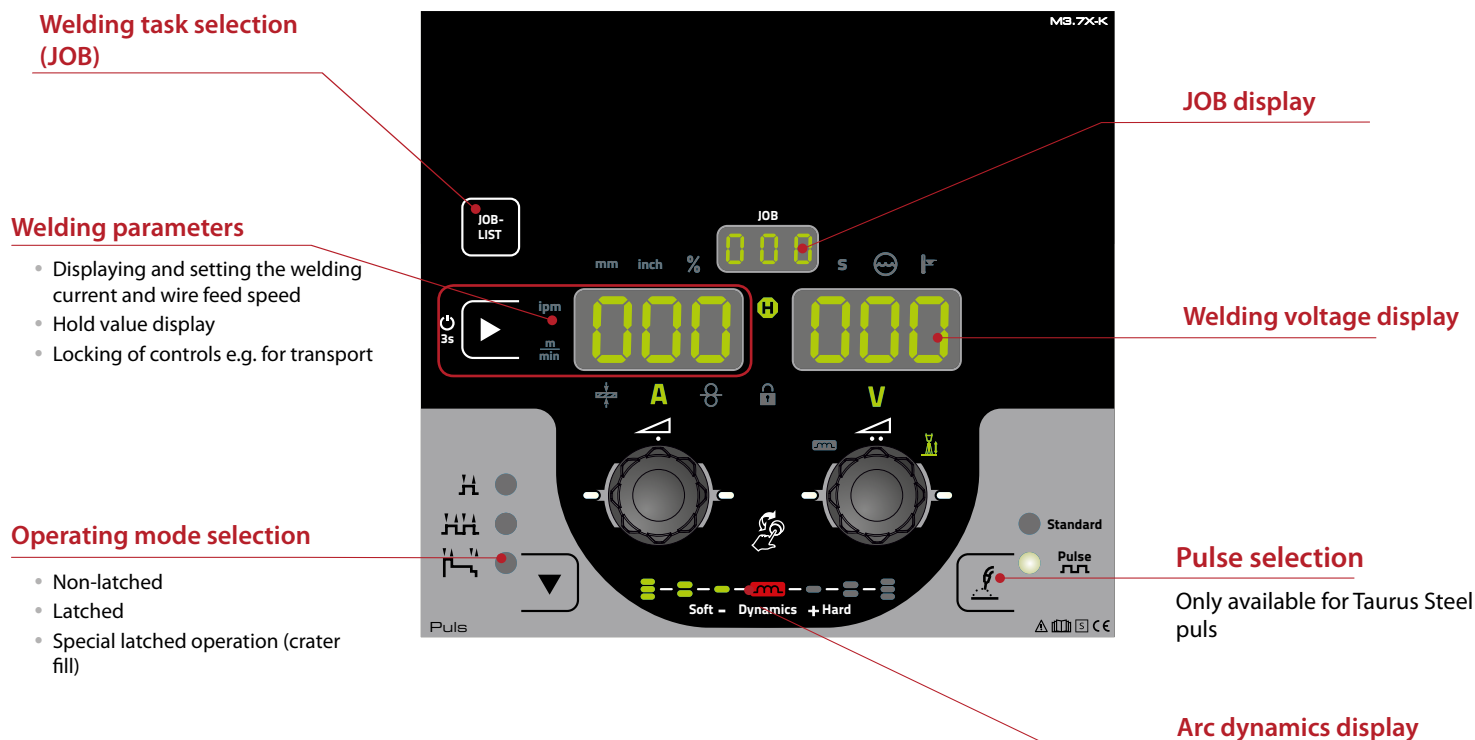


Fields of application:

- 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



	Pulse control	Synergic control
Welding procedure		
MIG/MAG	•	
MMA	•	
Gouging	•	
Control concept	Synergic, via supplied characteristics	
Adjustable welding parameters and functions		
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	•	
Display (hold function)		
JOB no.	•	
Welding current, welding voltage	•	
Wire feed speed	•	
Motor current	•	

Taurus 405 Steel puls S | Taurus 505 Steel puls S





Steel puls S



- 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
- **Welding procedures and functions**
 - Welding with solid wire and flux cored wire
 - Infinitely adjustable arc dynamics (choke effect)
 - Adjustable start and end-crater functions
 - Synergic or manual welding operation
- **Your benefits**
 - Depiction in combination with Trolly 55-5, Drive 4X Steel and Cool50-2 U40 – other wire feeders and components can be found in the corresponding chapters on accessories
 - Factory-fit option: Extra gas valve for increased safety
 - 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
 - IP23 spray water protected
 - Connection capability for remote control and function torch (only up/down)
 - PC interface for PC300 XQ software
 - Protective earth monitoring (PE)
 - 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



Version	Taurus 405	Taurus 505
Mains voltage (tolerances)	3 x 400 V (-25 % - +20 %)	
Mains fuses (slow-blow)	3 x 32 A	
Open circuit voltage	79 V	
Setting range for welding current	5 A - 400 A	5 A - 500 A
Duty cycle 40 °C	–	500 A / 60 %
	400 A / 100 %	430 A / 100 %
cos φ	0.99	
Efficiency	90 %	
Dimensions machine, LxWxH in mm	625 x 298 x 531	
Weight, machine	41 kg	45 kg
EMC class	A	
Insulation class	H	
Protection class	IP23	
Approvals	 	
Wire feeder, LxWxH in mm	660 x 280 x 380	
Wire feeder weight	13 kg	
Dimensions cooling unit in mm	695 x 298 x 329	
Weight, cooling unit	16.5 kg	
Trolley dimensions L x W x H in mm	1068 x 540 x 1150	
Trolley weight	35 kg	

Taurus 405 Steel puls S gas cooled

Type	Designation	PU	Item no.
Taurus 405 Steel puls S	MIG/MAG pulse welding machine, decompact, modular	1 stk	090-005589-00502
Drive 4X Steel puls S	Wire feeder, Euro torch connector	1 stk	090-005593-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	1 stk	092-003464-00001
MIG G 7POL 70qmm 450A/60% 1m	Intermediate hose package, gas-cooled, 7-pole	1 stk	094-000580-00000
MIG G 7POL 70qmm 450A/60% 5m		1 stk	094-000580-00001
MIG G 7POL 70qmm 450A/60% 10m		1 stk	094-000580-00002
MIG G 7POL 70qmm 450A/60% 15m		1 stk	094-000580-00005
PM 401 G M9 3 m	MIG/MAG welding torch, gas-cooled	1 stk	094-700002-00000
PM 401 G M9 4 m		1 stk	094-700002-00004
PM 401 G M9 5 m		1 stk	094-700002-00005
WK70mm² 450A/60% 4m/Z	Workpiece lead with clamp	1 stk	092-000013-00000
GH 2x1/4" 2m	Gas hose	1 stk	094-000010-00001
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	1 stk	394-002910-00030
Trolley 55-5	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted	1 stk	090-008632-00000
Trolley 55-6	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder	1 stk	090-008825-00000
ON TR Trolley 55-5 / 55-6	Cross arm and holder for wire feeder	1 stk	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	1 stk	092-002712-00000
ON Case	Tool box for mounting to transport cart Trolley 55-5/Trolley 55-6	1 stk	092-002899-00000
OW CEE 32A	Mains plug, assembled (CEE 32 A)	1 stk	092-008215-00000
KOS26	Customised configuration with assembly for decompact systems	1 stk	092-002685-00001
KOS27	Commissioning: 1 hour	1 std	KOS-V00027-00000

Taurus 405 Steel puls S water cooled

Type	Designation	PU	Item no.
Taurus 405 Steel puls S	MIG/MAG pulse welding machine, decompact, modular	1 stk	090-005589-00502
Drive 4X Steel puls S	Wire feeder, Euro torch connector	1 stk	090-005593-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	1 stk	092-003464-00001
cool50-2 U40	Cooling unit with centrifugal pump	1 stk	090-008603-00502
MIG W 7POL 70qmm 450A/60% 1m	Intermediate hose package, water-cooled, 7-pole	1 stk	094-000406-00000
MIG W 7POL 70qmm 450A/60% 5m		1 stk	094-000406-00001
MIG W 7POL 70qmm 450A/60% 10m		1 stk	094-000406-00002
MIG W 7POL 70qmm 450A/60% 15m		1 stk	094-000406-00004
PM 451 W M9 3 m	MIG/MAG welding torch, water-cooled	1 stk	094-700004-00000
PM 451 W M9 4 m		1 stk	094-700004-00004
PM 451 W M9 5 m		1 stk	094-700004-00005
PM 451 W M9 6,5 m		1 stk	094-700004-00065
WK70mm² 450A/60% 4m/Z	Workpiece lead with clamp	1 stk	092-000013-00000
GH 2x1/4" 2m	Gas hose	1 stk	094-000010-00001
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	1 stk	394-002910-00030
Trolley 55-5	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted	1 stk	090-008632-00000
Trolley 55-6	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder	1 stk	090-008825-00000
ON TR Trolley 55-5 / 55-6	Cross arm and holder for wire feeder	1 stk	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	1 stk	092-002712-00000
KF 23E-5	Coolant up to -10 °C (14 °F), 5 l	1 stk	094-000530-00005
OW CEE 32A	Mains plug, assembled (CEE 32 A)	1 stk	092-008215-00000
KOS26	Customised configuration with assembly for decompact systems	1 stk	092-002685-00001
KOS27	Commissioning: 1 hour	1 std	KOS-V00027-00000

Taurus 405 Steel puls S | Taurus 505 Steel puls S

Taurus 505 Steel puls S gas cooled

Type	Designation	PU	Item no.
Taurus 505 Steel puls S	MIG/MAG pulse welding machine, decompact, modular	1 stk	090-005599-00502
Drive 4X Steel puls S	Wire feeder, Euro torch connector	1 stk	090-005593-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	1 stk	092-003464-00001
MIG G 7POL 95qmm 550A/60% 1m	Intermediate hose package, gas-cooled, 7-pole	1 stk	094-007726-00000
MIG G 7POL 95qmm 550A/60% 5m		1 stk	094-007726-00001
MIG G 7POL 95qmm 550A/60% 10m		1 stk	094-007726-00002
MIG G 7POL 95qmm 550A/60% 15m		1 stk	094-007726-00003
PM 401 G M9 3 m	MIG/MAG welding torch, gas-cooled	1 stk	094-700002-00000
PM 401 G M9 4 m		1 stk	094-700002-00004
PM 401 G M9 5 m		1 stk	094-700002-00005
WK95mm² 550A/60% 4m/Z	Workpiece lead with clamp	1 stk	092-000171-00000
GH 2x1/4" 2m	Gas hose	1 stk	094-000010-00001
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	1 stk	394-002910-00030
Trolley 55-5	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted	1 stk	090-008632-00000
Trolley 55-6	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder	1 stk	090-008825-00000
ON TR Trolley 55-5 / 55-6	Cross arm and holder for wire feeder	1 stk	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	1 stk	092-002712-00000
ON Case	Tool box for mounting to transport cart Trolley 55-5/Trolley 55-6	1 stk	092-002899-00000
OW CEE 32A	Mains plug, assembled (CEE 32 A)	1 stk	092-008215-00000
KOS26	Customised configuration with assembly for decompact systems	1 stk	092-002685-00001
KOS27	Commissioning: 1 hour	1 std	KOS-V00027-00000

Taurus 505 Steel puls S water cooled

Type	Designation	PU	Item no.
Taurus 505 Steel puls S	MIG/MAG pulse welding machine, decompact, modular	1 stk	090-005599-00502
Drive 4X Steel puls S	Wire feeder, Euro torch connector	1 stk	090-005593-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	1 stk	092-003464-00001
cool50-2 U40	Cooling unit with centrifugal pump	1 stk	090-008603-00502
MIG W 7POL 95qmm 550A/60% 1m	Intermediate hose package, water-cooled, 7-pole	1 stk	094-000407-00000
MIG W 7POL 95qmm 550A/60% 5m		1 stk	094-000407-00001
MIG W 7POL 95qmm 550A/60% 10m		1 stk	094-000407-00002
MIG W 7POL 95qmm 550A/60% 15m		1 stk	094-000407-00006
PM 551 W M9 3 m	MIG/MAG welding torch, water-cooled	1 stk	094-700005-00000
PM 551 W M9 4 m		1 stk	094-700005-00004
PM 551 W M9 5 m		1 stk	094-700005-00005
PM 551 W M9 6,5 m		1 stk	094-700005-00065
WK95mm² 550A/60% 4m/Z	Workpiece lead with clamp	1 stk	092-000171-00000
GH 2x1/4" 2m	Gas hose	1 stk	094-000010-00001
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	1 stk	394-002910-00030
Trolley 55-5	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted	1 stk	090-008632-00000
Trolley 55-6	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder	1 stk	090-008825-00000
ON TR Trolley 55-5 / 55-6	Cross arm and holder for wire feeder	1 stk	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	1 stk	092-002712-00000
KF 23E-5	Coolant up to -10 °C (14 °F), 5 l	1 stk	094-000530-00005
OW CEE 32A	Mains plug, assembled (CEE 32 A)	1 stk	092-008215-00000
KOS26	Customised configuration with assembly for decompact systems	1 stk	092-002685-00001
KOS27	Commissioning: 1 hour	1 std	KOS-V00027-00000

Taurus 405 Steel Synergic S | Taurus 505 Steel Synergic S






Steel Synergic S



- MIG/MAG inverter welding machine with optimised synergic characteristics for welding steel
- MIG/MAG welding, MMA welding and gouging
- **Welding procedures and functions**
- Welding with solid wire and flux cored wire
- Infinitely adjustable arc dynamics (choke effect)
- Adjustable start and end-crater functions
- Synergic or manual welding operation
- **Your benefits**
- Depiction in combination with Trolley 55-5, Drive 4X Steel and Cool50-2 U40 – other wire feeders and components can be found in the corresponding chapters on accessories
- Factory-fit option: Extra gas valve for increased safety
- 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
- IP23 spray water protected
- Connection capability for remote control and function torch (only up/down)
- Excellent torch cooling, resulting in cost savings on consumables due to high-performance centrifugal pump and 5-litre water tank (cool50 cooling unit)
- Protective earth monitoring (PE)
- 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



Version	Taurus 405	Taurus 505
Mains voltage (tolerances)	3 x 400 V (-25 % - +20 %)	
Mains fuses (slow-blow)	3 x 32 A	
Open circuit voltage	79 V	
Setting range for welding current	5 A - 400 A	5 A - 500 A
Duty cycle 40 °C	–	500 A / 60 %
	400 A / 100 %	430 A / 100 %
cos φ	0.99	
Efficiency	90 %	
Dimensions machine, LxWxH in mm	625 x 298 x 531	
Weight, machine	41 kg	45 kg
EMC class	A	
Insulation class	H	
Protection class	IP23	
Approvals	  	
Wire feeder, LxWxH in mm	660 x 280 x 380	
Wire feeder weight	13 kg	
Dimensions cooling unit in mm	695 x 298 x 329	
Weight, cooling unit	16.5 kg	
Trolley dimensions L x W x H in mm	1068 x 540 x 1150	
Trolley weight	35 kg	

Taurus 405 Steel Synergic S | Taurus 505 Steel Synergic S

Taurus 405 Steel Synergic S gas cooled

Type	Designation	PU	Item no.
Taurus 405 Steel Synergic S	MIG/MAG inverter welding machine, decompact, modular	1 stk	090-005590-00502
Drive 4X Steel Synergic S	Wire feeder, Euro torch connector	1 stk	090-005595-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	1 stk	092-003464-00001
MIG G 7POL 70qmm 450A/60% 1m	Intermediate hose package, gas-cooled, 7-pole	1 stk	094-000580-00000
MIG G 7POL 70qmm 450A/60% 5m		1 stk	094-000580-00001
MIG G 7POL 70qmm 450A/60% 10m		1 stk	094-000580-00002
MIG G 7POL 70qmm 450A/60% 15m		1 stk	094-000580-00005
PM 401 G M9 3 m	MIG/MAG welding torch, gas-cooled	1 stk	094-700002-00000
PM 401 G M9 4 m		1 stk	094-700002-00004
PM 401 G M9 5 m		1 stk	094-700002-00005
WK70mm² 450A/60% 4m/Z	Workpiece lead with clamp	1 stk	092-000013-00000
GH 2x1/4" 2m	Gas hose	1 stk	094-000010-00001
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	1 stk	394-002910-00030
Trolley 55-5	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted	1 stk	090-008632-00000
Trolley 55-6	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder	1 stk	090-008825-00000
ON TR Trolley 55-5 / 55-6	Cross arm and holder for wire feeder	1 stk	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	1 stk	092-002712-00000
ON Case	Tool box for mounting to transport cart Trolley 55-5/Trolley 55-6	1 stk	092-002899-00000
OW CEE 32A	Mains plug, assembled (CEE 32 A)	1 stk	092-008215-00000
KOS26	Customised configuration with assembly for decompact systems	1 stk	092-002685-00001
KOS27	Commissioning: 1 hour	1 std	KOS-V00027-00000

Taurus 405 Steel Synergic S water cooled

Type	Designation	PU	Item no.
Taurus 405 Steel Synergic S	MIG/MAG inverter welding machine, decompact, modular	1 stk	090-005590-00502
Drive 4X Steel Synergic S	Wire feeder, Euro torch connector	1 stk	090-005595-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	1 stk	092-003464-00001
cool50-2 U40	Cooling unit with centrifugal pump	1 stk	090-008603-00502
MIG W 7POL 70qmm 450A/60% 1m	Intermediate hose package, water-cooled, 7-pole	1 stk	094-000406-00000
MIG W 7POL 70qmm 450A/60% 5m		1 stk	094-000406-00001
MIG W 7POL 70qmm 450A/60% 10m		1 stk	094-000406-00002
MIG W 7POL 70qmm 450A/60% 15m		1 stk	094-000406-00004
PM 451 W M9 3 m	MIG/MAG welding torch, water-cooled	1 stk	094-700004-00000
PM 451 W M9 4 m		1 stk	094-700004-00004
PM 451 W M9 5 m		1 stk	094-700004-00005
PM 451 W M9 6,5 m		1 stk	094-700004-00065
WK70mm² 450A/60% 4m/Z	Workpiece lead with clamp	1 stk	092-000013-00000
GH 2x1/4" 2m	Gas hose	1 stk	094-000010-00001
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	1 stk	394-002910-00030
Trolley 55-5	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted	1 stk	090-008632-00000
Trolley 55-6	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder	1 stk	090-008825-00000
ON TR Trolley 55-5 / 55-6	Cross arm and holder for wire feeder	1 stk	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	1 stk	092-002712-00000
KF 23E-5	Coolant up to -10 °C (14 °F), 5 l	1 stk	094-000530-00005
OW CEE 32A	Mains plug, assembled (CEE 32 A)	1 stk	092-008215-00000
KOS26	Customised configuration with assembly for decompact systems	1 stk	092-002685-00001
KOS27	Commissioning: 1 hour	1 std	KOS-V00027-00000

Taurus 505 Steel Synergic S gas cooled

Type	Designation	PU	Item no.
Taurus 505 Steel Synergic S	MIG/MAG inverter welding machine, decompact, modular	1 stk	090-005600-00502
Drive 4X Steel Synergic S	Wire feeder, Euro torch connector	1 stk	090-005595-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	1 stk	092-003464-00001
MIG G 7POL 95qmm 550A/60% 1m	Intermediate hose package, gas-cooled, 7-pole	1 stk	094-007726-00000
MIG G 7POL 95qmm 550A/60% 5m		1 stk	094-007726-00001
MIG G 7POL 95qmm 550A/60% 10m		1 stk	094-007726-00002
MIG G 7POL 95qmm 550A/60% 15m		1 stk	094-007726-00003
PM 401 G M9 3 m	MIG/MAG welding torch, gas-cooled	1 stk	094-700002-00000
PM 401 G M9 4 m		1 stk	094-700002-00004
PM 401 G M9 5 m		1 stk	094-700002-00005
WK95mm² 550A/60% 4m/Z	Workpiece lead with clamp	1 stk	092-000171-00000
GH 2x1/4" 2m	Gas hose	1 stk	094-000010-00001
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	1 stk	394-002910-00030
Trolley 55-5	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted	1 stk	090-008632-00000
Trolley 55-6	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder	1 stk	090-008825-00000
ON TR Trolley 55-5 / 55-6	Cross arm and holder for wire feeder	1 stk	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	1 stk	092-002712-00000
ON Case	Tool box for mounting to transport cart Trolley 55-5/Trolley 55-6	1 stk	092-002899-00000
OW CEE 32A	Mains plug, assembled (CEE 32 A)	1 stk	092-008215-00000
KOS26	Customised configuration with assembly for decompact systems	1 stk	092-002685-00001
KOS27	Commissioning: 1 hour	1 std	KOS-V00027-00000

Taurus 505 Steel Synergic S water cooled

Type	Designation	PU	Item no.
Taurus 505 Steel Synergic S	MIG/MAG inverter welding machine, decompact, modular	1 stk	090-005600-00502
Drive 4X Steel Synergic S	Wire feeder, Euro torch connector	1 stk	090-005595-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	1 stk	092-003464-00001
cool50-2 U40	Cooling unit with centrifugal pump	1 stk	090-008603-00502
MIG W 7POL 95qmm 550A/60% 1m	Intermediate hose package, water-cooled, 7-pole	1 stk	094-000407-00000
MIG W 7POL 95qmm 550A/60% 5m		1 stk	094-000407-00001
MIG W 7POL 95qmm 550A/60% 10m		1 stk	094-000407-00002
MIG W 7POL 95qmm 550A/60% 15m		1 stk	094-000407-00006
PM 551 W M9 3 m	MIG/MAG welding torch, water-cooled	1 stk	094-700005-00000
PM 551 W M9 4 m		1 stk	094-700005-00004
PM 551 W M9 5 m		1 stk	094-700005-00005
PM 551 W M9 6,5 m		1 stk	094-700005-00065
WK95mm² 550A/60% 4m/Z	Workpiece lead with clamp	1 stk	092-000171-00000
GH 2x1/4" 2m	Gas hose	1 stk	094-000010-00001
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	1 stk	394-002910-00030
Trolley 55-5	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted	1 stk	090-008632-00000
Trolley 55-6	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder	1 stk	090-008825-00000
ON TR Trolley 55-5 / 55-6	Cross arm and holder for wire feeder	1 stk	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	1 stk	092-002712-00000
KF 23E-5	Coolant up to -10 °C (14 °F), 5 l	1 stk	094-000530-00005
OW CEE 32A	Mains plug, assembled (CEE 32 A)	1 stk	092-008215-00000
KOS26	Customised configuration with assembly for decompact systems	1 stk	092-002685-00001
KOS27	Commissioning: 1 hour	1 std	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

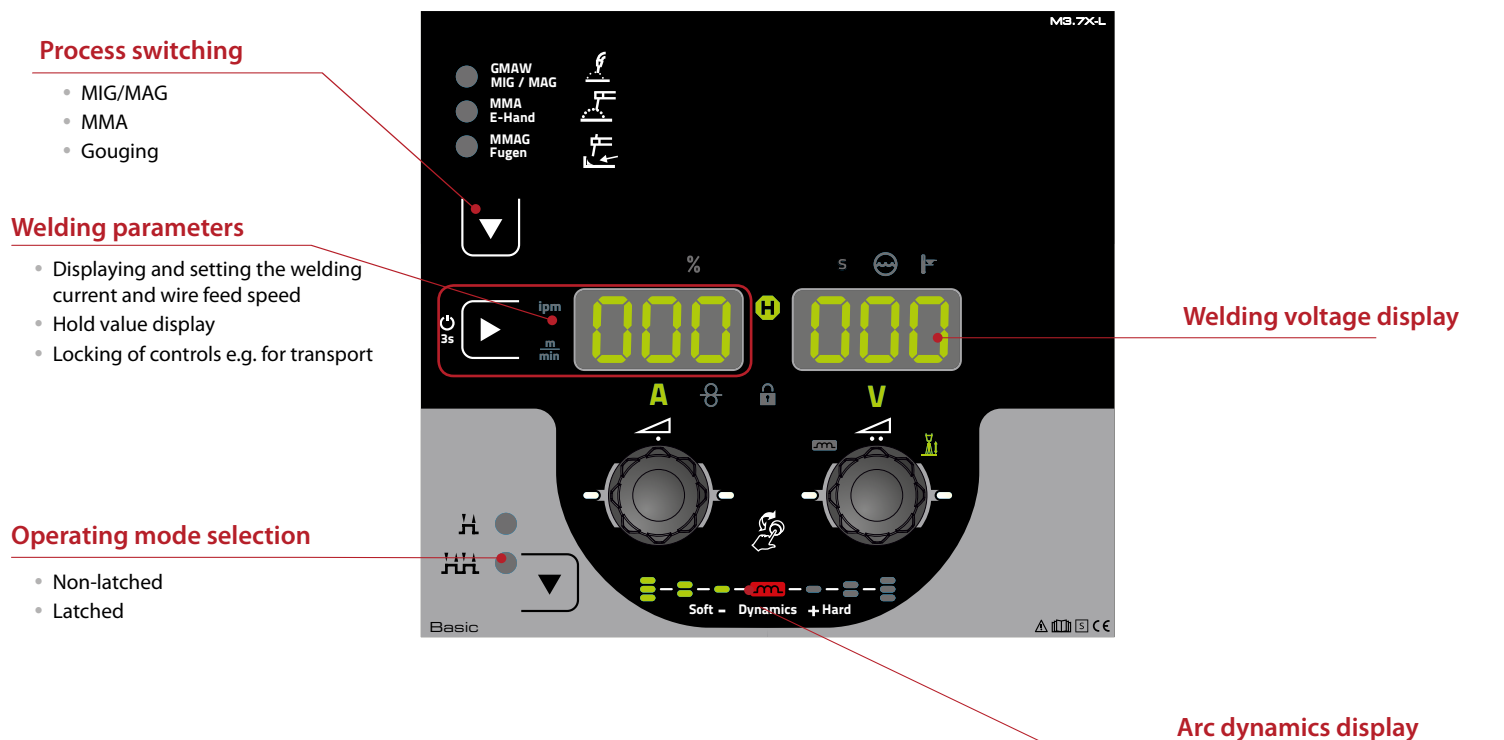


Fields of application:

- 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

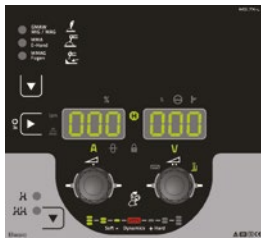


Welding procedure	Basic S control
MIG/MAG	•
MMA	•
Gouging	•
Control concept	Manual operating point adjustment
Adjustable welding parameters and functions	
Wire feed speed	1–25 m/min
Welding voltage	•
Infinitely adjustable arc dynamics	•
Non-latched	•
Latched	•
Control locking	•
Display for (hold function)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

Taurus 405 Basic S | Taurus 505 Basic S






Basic S



- MIG/MAG inverter welding machine with manual operating point adjustment
- MIG/MAG welding, MMA welding and gouging
- **Welding procedures and functions**
- Most simple 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)
- **Your benefits**
- Depiction in combination with Trolley 55-5, Drive 4 Basic S and Cool50-2 U40 – other wire feeders and components can be found in the corresponding chapters on accessories
- Factory-fit option: Extra gas valve for increased safety
- 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
- IP23 spray water protected
- Connection capability for remote control and function torch (only up/down)
- Excellent torch cooling, resulting in cost savings on consumables due to high-performance centrifugal pump and 5-litre water tank (cool50 cooling unit)
- Protective earth monitoring (PE)



Version	Taurus 405	Taurus 505
Mains voltage (tolerances)	3 x 400 V (-25 % - +20 %)	
Mains fuses (slow-blow)	3 x 32 A	
Open circuit voltage	79 V	
Setting range for welding current	5 A - 400 A	5 A - 500 A
Duty cycle 40 °C	–	500 A / 60 %
	400 A / 100 %	430 A / 100 %
cos φ	0.99	
Efficiency	90 %	
Dimensions machine, LxWxH in mm	625 x 298 x 531	
Weight, machine	41 kg	45 kg
EMC class	A	
Insulation class	H	
Protection class	IP23	
Approvals	  	
Wire feeder, LxWxH in mm	660 x 280 x 380	
Wire feeder weight	13 kg	
Dimensions cooling unit in mm	695 x 298 x 329	
Weight, cooling unit	16.5 kg	
Trolley dimensions L x W x H in mm	1068 x 540 x 1150	
Trolley weight	35 kg	

Taurus 405 Basic S gas cooled

Type	Designation	PU	Item no.
Taurus 405 Basic S	MIG/MAG inverter welding machine, decompact, modular	1 stk	090-005591-00502
Drive 4 Basic S	Wire feeder, Euro torch connector	1 stk	090-005597-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	1 stk	092-003464-00001
MIG G 7POL 70qmm 450A/60% 1m	Intermediate hose package, gas-cooled, 7-pole	1 stk	094-000580-00000
MIG G 7POL 70qmm 450A/60% 5m		1 stk	094-000580-00001
MIG G 7POL 70qmm 450A/60% 10m		1 stk	094-000580-00002
MIG G 7POL 70qmm 450A/60% 15m		1 stk	094-000580-00005
PM 401 G M9 3 m	MIG/MAG welding torch, gas-cooled	1 stk	094-700002-00000
PM 401 G M9 4 m		1 stk	094-700002-00004
PM 401 G M9 5 m		1 stk	094-700002-00005
WK70mm² 450A/60% 4m/Z	Workpiece lead with clamp	1 stk	092-000013-00000
GH 2x1/4" 2m	Gas hose	1 stk	094-000010-00001
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	1 stk	394-002910-00030
Trolley 55-5	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted	1 stk	090-008632-00000
Trolley 55-6	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder	1 stk	090-008825-00000
ON TR Trolley 55-5 / 55-6	Cross arm and holder for wire feeder	1 stk	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	1 stk	092-002712-00000
ON Case	Tool box for mounting to transport cart Trolley 55-5/Trolley 55-6	1 stk	092-002899-00000
OW CEE 32A	Mains plug, assembled (CEE 32 A)	1 stk	092-008215-00000
KOS26	Customised configuration with assembly for decompact systems	1 stk	092-002685-00001
KOS27	Commissioning: 1 hour	1 std	KOS-V00027-00000

Taurus 405 Basic S water cooled

Type	Designation	PU	Item no.
Taurus 405 Basic S	MIG/MAG inverter welding machine, decompact, modular	1 stk	090-005591-00502
Drive 4 Basic S	Wire feeder, Euro torch connector	1 stk	090-005597-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	1 stk	092-003464-00001
cool50-2 U40	Cooling unit with centrifugal pump	1 stk	090-008603-00502
MIG W 7POL 70qmm 450A/60% 1m	Intermediate hose package, water-cooled, 7-pole	1 stk	094-000406-00000
MIG W 7POL 70qmm 450A/60% 5m		1 stk	094-000406-00001
MIG W 7POL 70qmm 450A/60% 10m		1 stk	094-000406-00002
MIG W 7POL 70qmm 450A/60% 15m		1 stk	094-000406-00004
PM 451 W M9 3 m	MIG/MAG welding torch, water-cooled	1 stk	094-700004-00000
PM 451 W M9 4 m		1 stk	094-700004-00004
PM 451 W M9 5 m		1 stk	094-700004-00005
PM 451 W M9 6,5 m		1 stk	094-700004-00065
WK70mm² 450A/60% 4m/Z	Workpiece lead with clamp	1 stk	092-000013-00000
GH 2x1/4" 2m	Gas hose	1 stk	094-000010-00001
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	1 stk	394-002910-00030
Trolley 55-5	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted	1 stk	090-008632-00000
Trolley 55-6	Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder	1 stk	090-008825-00000
ON TR Trolley 55-5 / 55-6	Cross arm and holder for wire feeder	1 stk	092-002700-00000
ON PS Trolley 55-5 / 55-6	Pivot support (360°) for wire feeders	1 stk	092-002712-00000
KF 23E-5	Coolant up to -10 °C (14 °F), 5 l	1 stk	094-000530-00005
OW CEE 32A	Mains plug, assembled (CEE 32 A)	1 stk	092-008215-00000
KOS26	Customised configuration with assembly for decompact systems	1 stk	092-002685-00001
KOS27	Commissioning: 1 hour	1 std	KOS-V00027-00000

Taurus 405 Basic S | Taurus 505 Basic S

Taurus 505 Basic S gas cooled

Type	Designation	PU	Item no.
Taurus 505 Basic S	MIG/MAG inverter welding machine, decompact, modular	1 stk	090-005601-00502
Drive 4 Basic S	Wire feeder, Euro torch connector	1 stk	090-005597-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	1 stk	092-003464-00001
MIG G 7POL 95qmm 550A/60% 1m	Intermediate hose package, gas-cooled, 7-pole	1 stk	094-007726-00000
MIG G 7POL 95qmm 550A/60% 5m		1 stk	094-007726-00001
MIG G 7POL 95qmm 550A/60% 10m		1 stk	094-007726-00002
MIG G 7POL 95qmm 550A/60% 15m		1 stk	094-007726-00003
PM 401 G M9 3 m	MIG/MAG welding torch, gas-cooled	1 stk	094-700002-00000
PM 401 G M9 4 m		1 stk	094-700002-00004
PM 401 G M9 5 m		1 stk	094-700002-00005
WK95mm² 550A/60% 4m/Z	Workpiece lead with clamp	1 stk	092-000171-00000
GH 2x1/4" 2m	Gas hose	1 stk	094-000010-00001
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	1 stk	394-002910-00030
Trolly 55-5	Trolley for power source, 1 module, 10 l-50 l shielding gas cylinder, mounted	1 stk	090-008632-00000
Trolly 55-6	Trolley for power source, 1 module, 10 l-50 l shielding gas cylinder	1 stk	090-008825-00000
ON TR Trolly 55-5 / 55-6	Cross arm and holder for wire feeder	1 stk	092-002700-00000
ON PS Trolly 55-5 / 55-6	Pivot support (360°) for wire feeders	1 stk	092-002712-00000
ON Case	Tool box for mounting to transport cart Trolly 55-5/Trolly 55-6	1 stk	092-002899-00000
OW CEE 32A	Mains plug, assembled (CEE 32 A)	1 stk	092-008215-00000
KOS26	Customised configuration with assembly for decompact systems	1 stk	092-002685-00001
KOS27	Commissioning: 1 hour	1 std	KOS-V00027-00000

Taurus 505 Basic S water cooled

Type	Designation	PU	Item no.
Taurus 505 Basic S	MIG/MAG inverter welding machine, decompact, modular	1 stk	090-005601-00502
Drive 4 Basic S	Wire feeder, Euro torch connector	1 stk	090-005597-00502
OW Gasrelais	Factory-fit option: Additional gas valve in welding machine	1 stk	092-003464-00001
cool50-2 U40	Cooling unit with centrifugal pump	1 stk	090-008603-00502
MIG W 7POL 95qmm 550A/60% 1m	Intermediate hose package, water-cooled, 7-pole	1 stk	094-000407-00000
MIG W 7POL 95qmm 550A/60% 5m		1 stk	094-000407-00001
MIG W 7POL 95qmm 550A/60% 10m		1 stk	094-000407-00002
MIG W 7POL 95qmm 550A/60% 15m		1 stk	094-000407-00006
PM 551 W M9 3 m	MIG/MAG welding torch, water-cooled	1 stk	094-700005-00000
PM 551 W M9 4 m		1 stk	094-700005-00004
PM 551 W M9 5 m		1 stk	094-700005-00005
PM 551 W M9 6,5 m		1 stk	094-700005-00065
WK95mm² 550A/60% 4m/Z	Workpiece lead with clamp	1 stk	092-000171-00000
GH 2x1/4" 2m	Gas hose	1 stk	094-000010-00001
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	1 stk	394-002910-00030
Trolly 55-5	Trolley for power source, 1 module, 10 l-50 l shielding gas cylinder, mounted	1 stk	090-008632-00000
Trolly 55-6	Trolley for power source, 1 module, 10 l-50 l shielding gas cylinder	1 stk	090-008825-00000
ON TR Trolly 55-5 / 55-6	Cross arm and holder for wire feeder	1 stk	092-002700-00000
ON PS Trolly 55-5 / 55-6	Pivot support (360°) for wire feeders	1 stk	092-002712-00000
KF 23E-5	Coolant up to -10 °C (14 °F), 5 l	1 stk	094-000530-00005
OW CEE 32A	Mains plug, assembled (CEE 32 A)	1 stk	092-008215-00000
KOS26	Customised configuration with assembly for decompact systems	1 stk	092-002685-00001
KOS27	Commissioning: 1 hour	1 std	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

Cooling output	1000 W (1l/min)
Tank capacity	5 l
Dimensions cooling unit in mm	695 x 298 x 329

Designation	Weight, cooling unit kg	Flow rate l/min	Coolant outlet pressure bar	PU stk	Item no.
Cooling unit with centrifugal pump	16.5	5.0	3.5	1	090-008603-00502
Cooling unit with boosted pump	17.0	20.0	4.5	1	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 55-5 without an additional cooling unit
- In conjunction with Trolley 55-6, if using a cooling unit, the option "ON Extender" must also be ordered

Designation	PU stk	Item no.
Tool box for mounting to transport cart Trolley 55-5/Trolley 55-6	1	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

Trolley dimensions L x W x H in mm	1114 x 684 x 1160
Trolley weight	35 kg

Designation	Version	PU stk	Item no.
Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder	A shielding gas cylinder	1	090-008825-00000
Transport cart for a power source, cooling unit and two shielding gas cylinders	Two shielding gas cylinders	1	090-008826-00000

ON Extender



- Extension for Trolley 55-6 for holding another module
- Thus, for example, a power source, a water block and a toolbox can be fitted on the Trolley

Designation	PU stk	Item no.
Extension for Trolley 55-6 to house a further module	1	092-003507-00000

Trolley 55-5



- Transport cart
- Solid, stable design
- For transporting a power source, a cooling unit and a gas cylinder

Trolley dimensions L x W x H in mm	1068 x 540 x 1150
Trolley weight	35 kg

Designation	Version	PU stk	Item no.
Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, mounted	assembled	1	090-008632-00000
Trolley for power source, 1 module, 10 l–50 l shielding gas cylinder, dismounted	disassembled	1	090-008632-00001

ON PS Trolley 55-5 / 55-6



- Wire feeder pivots 360° on the welding machine
- For all wire feeders from the drive 4X series on Trolley 55-6/Trolley 55-5

Designation	PU stk	Item no.
Pivot support (360°) for wire feeders	1	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 stk	Item no.
Cross arm and holder for wire feeder	1	092-002700-00000

Welding machine accessories

Trolley 35-6



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

Trolley dimensions L x W x H in mm	600 x 580 x 1200
Trolley weight	33 kg

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

R10



- Remote control, wire speed setting, welding voltage correction
- Voltage correction from -10 V to +10 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

Weight	1 kg
Connection	19-pole
Dimensions LxWxH in mm	180 x 100 x 70

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

RG10



- Remote control, wire speed setting, welding voltage correction
- 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

Weight	0.7 kg
Cable length	5
Connection	19-pole
Dimensions LxWxH in mm	225 x 70 x 60

Designation	PU stk	Item no.
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

Weight	1 kg
Connection	19-pole
Dimensions LxWxH in mm	180 x 100 x 70

Designation	PU stk	Item no.
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

Weight	0.7 kg
Cable length	5
Connection	19-pole
Dimensions LxWxH in mm	225 x 70 x 60

Designation	PU stk	Item no.
Remote control to set the wire speed and welding voltage	1	090-008107-00000

Connection cables



Connection	19-pole
-------------------	---------

Designation	Cable length m	PU stk	Item no.
Connection cables	5.0	1	092-001470-00005
	10.0	1	092-001470-00010
	20.0	1	092-001470-00020

ON Filter TG.0004/TG.0009/K.0002



- Dirt filter for air inlet
- Reliably protects the machine from impurities in difficult working conditions.

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

Welding machine accessories

ON TH XX5 R



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

Designation	PU stk	Item no.
Torch holder, right	1	092-002699-00000

WK 4M/Z



Length	4
Plug Ø	13 mm
Characteristics	Clamp with wing nut

Designation	Duty cycle	Cross-section mm ²	PU stk	Item no.
Workpiece lead with clamp	450 A , 60 %	70	1	092-000013-00000
	550 A , 60 %	95	1	092-000171-00000

Electrode holder with cable



- Fully assembled electrode holder with cable

Length	4
Plug Ø	13 mm

Designation	Duty cycle	Cross-section mm ²	PU stk	Item no.
Electrode holder with cable	290 A , 60 %	35	1	092-000052-00000
	350 A , 60 %	50	1	092-000004-00000
	450 A , 60 %	70	1	092-000011-00000
	550 A , 60 %	95	1	092-000010-00000

KF 23E-5



- Coolant for water-cooled welding machines and cooling units

Freezing point	-10 °C
----------------	--------

Designation	Contents l	PU	Item no.
Coolant up to -10 °C (14 °F), 5 l	5.0	1	094-000530-00005
Coolant up to -10 °C (14 °F), 200 l	200	1	094-000530-00001

KF 37E-5

- Coolant for water-cooled welding machines and cooling units

Freezing point	-20 °C
-----------------------	--------

Designation	Contents l	PU	Item no.
Coolant up to -20 °C (4 °F), 5 l	5.0	1	094-006256-00005
Coolant up to -20 °C (4 °F), 200 l	200	1	094-006256-00001

Intermediate hose packages

MIG G 7POL 70qmm 450A/60%



- 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

Duty cycle	450 A , 60 %
Connection	7-pole
Cross-section	70 mm ²

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

MIG G 7POL 95qmm 550A/60%



- 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

Duty cycle	550 A , 60 %
Connection	7-pole
Cross-section	95 mm ²

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

MIG W 7POL 70qmm 450A/60%



- 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

Duty cycle	450 A , 60 %
Connection	7-pole
Cross-section	70 mm ²

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

MIG W 7POL 95qmm 550A/60%



- 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

Duty cycle	550 A , 60 %
Connection	7-pole
Cross-section	95 mm ²

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

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
- Standard sliding rails
- 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
- High-precision, powerful EWM eFeed 4-roll wire feed mechanism for secure feeding of all solid and flux cored wires
- 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
- Adjustable start and end-crater functions

Wire feed speed	Wire speed m/min , 0.5 m/min - 25 m/min Wire speed ipm , 19.68 ipm - 944.88 ipm
Spool size	D200/D300
Roller diameter	37 mm
Wire feeder, LxWxH in mm	660 x 280 x 380
Wire feeder weight	13 kg
Torch connection	Euro torch connector
EMC class	A
Protection class	IP23

Designation	PU stk	Item no.
Wire feeder, Euro torch connector	1	090-005593-00502

Drive 4X Steel Synergic S



- MIG/MAG wire feeder for Taurus Steel Synergic S
- MIG/MAG welding, MMA welding and gouging
- Adjustable start and end-crater functions

Wire feed speed	Wire speed m/min , 0.5 m/min - 25 m/min Wire speed ipm , 19.68 ipm - 944.88 ipm
Spool size	D200/D300
Roller diameter	37 mm
Wire feeder, LxWxH in mm	660 x 280 x 380
Wire feeder weight	13 kg
Torch connection	Euro torch connector
EMC class	A
Protection class	IP23

Designation	PU stk	Item no.
Wire feeder, Euro torch connector	1	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)

Wire feed speed	Wire speed m/min , 0.5 m/min - 25 m/min Wire speed ipm , 19.68 ipm - 944.88 ipm
Spool size	D200/D300
Roller diameter	37 mm
Wire feeder, LxWxH in mm	660 x 280 x 380
Wire feeder weight	13 kg
Torch connection	Euro torch connector
EMC class	A
Protection class	IP23

Designation	PU stk	Item no.
Wire feeder, Euro torch connector	1	090-005597-00502

Drive roll set



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

Colour code	White
Groove shape	V-groove

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

SET WF 2,0-3,2mm eFeed

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

CapTub 107 mm



- 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

Designation	Length mm	Version	PU ve	Item no.
Capillary tube	107	Wire diameter ≤ 1.6 mm	5	094-006634-00000
	105	Wire diameter ≤ 2.4 mm	5	094-021470-00000

Wire feed units - Options for retrofitting the Drive 4X

Transparent cover lens



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

Version	for HP-XQ/Taurus Steel puls/Taurus Steel Synergic/Taurus Basic S	
---------	--	--

Designation	PU stk	Item no.
Transparent cover lens for wire feed controls	1	092-003478-00000

ON WAK D01



- Wheel kit
- Ensures limitless mobility
- Large rolls (Ø 125 mm) for optimal freedom of movement
- One roll with locking brake

Designation	PU stk	Item no.
Wheel assembly kit	1	092-002844-00000

ON RFAK drive



- Rubber feet to replace sliding rails

Designation	PU stk	Item no.
Rubber feet	1	092-002845-00000

ON GK drive



- Stainless steel runners

Designation	PU stk	Item no.
Stainless steel 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	PU stk	Item no.
Torch holder for drive XQ, drive 4X, drive 4 Basic and drive 4X IC	1	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 stk	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	PU stk	Item no.
Crane suspension	1	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	PU stk	Item no.
Set comprised of crane suspension bracket and protective plate, for using the wire feeder in a lateral position	1	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	PU stk	Item no.
Transparent cover cap for protecting the control	1	092-002834-00000

Wire feed units - Drive 4X Steel D200

- Wire feeder housing: Plastic
- D200 spool holder
- Can pass through manholes
- Low weight thanks to the plastic casing
- Adjustment of the gas quantity directly on the wire feeder via the gas control valve
- Spool diameter up to 200 mm
- 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
- Adjustable start and end-crater functions

Wire feed speed	Wire speed m/min , 0.5 m/min - 25 m/min Wire speed ipm , 19.68 ipm - 944.88 ipm
Spool size	D200
Roller diameter	37 mm
Wire feeder, LxWxH in mm	585 x 276 x 340
Wire feeder weight	13.8 kg
Torch connection	Euro torch connector
EMC class	A
Protection class	IP23

Designation	PU stk	Item no.
Wire feeder for D200 spools, Euro torch connector	1	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
- Adjustable start and end-crater functions

Wire feed speed	Wire speed m/min , 0.5 m/min - 25 m/min Wire speed ipm , 19.68 ipm - 944.88 ipm
Spool size	D200
Roller diameter	37 mm
Wire feeder, LxWxH in mm	585 x 276 x 340
Wire feeder weight	13.8 kg
Torch connection	Euro torch connector
EMC class	A
Protection class	IP23

Designation	PU stk	Item no.
Wire feeder for D200 spools, Euro torch connector	1	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)

Wire feed speed	Wire speed m/min , 0.5 m/min - 25 m/min Wire speed ipm , 19.68 ipm - 944.88 ipm
Spool size	D200
Roller diameter	37 mm
Wire feeder, LxWxH in mm	585 x 276 x 340
Wire feeder weight	13.8 kg
Torch connection	Euro torch connector
EMC class	A
Protection class	IP23

Designation	PU stk	Item no.
Wire feeder for D200 spools, Euro torch connector	1	090-005596-00502

Wire feed units - Drive 4X Steel D200 options

Transparent cover lens



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

Version	for Drive 4X Steel puls D200/Drive 4X Steel Synergic D200/Drive 4 Basic S D200
---------	--

Designation	PU stk	Item no.
Transparent cover lens for machine control	1	092-003479-00000

Drive roll set for steel



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

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

Pressure rolls, steel wire



- Spare pressure rolls, steel, standard

Roller diameter	37 mm
-----------------	-------

Designation	PU ve	Item no.
2 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 mm	Wire Ø 2 mm	Roller diameter mm	PU ve	Item no.
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		1	092-000835-00000
	1.4 - 1.6	2 - 2.4		1	092-000836-00000
	2.8	3.2		1	092-000837-00000

Pressure rolls for flux cored wire



- Replacement pressure rolls, flux cored wire

Roller diameter	37 mm
-----------------	-------

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

Wire feed units - miniDrive • intermediate drive

miniDrive WS



- miniDrive with hose package
- 2-roll drive with 37 mm drive rolls. Equipped for 1.0 mm + 1.2 mm steel wires
- 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
- Hose packages length up to 25 m possible
- Intermediate hose packages for aluminium welding are only available up to a length of 15 m!
- A reinforced coolant pump is required for operation with hose packages featuring an overall length of 20 m or longer.
- Connection capability for remote control
- It is not possible to supply the miniDrive ex works with Phoenix 355 TKM, Taurus 355 TKM/TKW and Picomig 355 machines. We are happy to offer you a customised solution. Please contact our Service Department if you are interested in such a solution.

Wire feed speed	Wire speed m/min , 1 m/min - 20 m/min
Welding current	400 A
Roller diameter	37 mm
Wire feeder, LxWxH in mm	300 x 180 x 200
Cross-section	70 mm ²
Weight without accessories	7.5 kg
Torch connection	Euro torch connector
EMC class	A
Protection class	IP23

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

Wire feed units - miniDrive • intermediate drive

miniDrive WS V+A



- miniDrive with hose package for water-cooled torches with volt and ammeter
- 2-roll drive with 37 mm drive rolls. Equipped for 1.0 mm + 1.2 mm steel wires
- 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
- Utilisation of function torch with X technology not possible
- Hose packages length up to 25 m possible
- Intermediate hose packages for aluminium welding are only available up to a length of 15 m!
- A reinforced coolant pump is required for operation with hose packages featuring an overall length of 20 m or longer.
- Connection capability for remote control
- It is not possible to supply the miniDrive ex works with Phoenix 355 TKM, Taurus 355 TKM/TKW and Picomig 355 machines. We are happy to offer you a customised solution. Please contact our Service Department if you are interested in such a solution.

Wire feed speed	Wire speed m/min , 1 m/min - 20 m/min
Welding current	400 A
Roller diameter	37 mm
Wire feeder, LxWxH in mm	300 x 180 x 200
Cross-section	70 mm ²
Weight without accessories	7.5 kg
Torch connection	Euro torch connector
EMC class	A
Protection class	IP23

Designation	Length m	PU stk	Item no.
miniDrive with hose package for water-cooled welding torches with voltmeter and ammeter	10.0	1	090-005396-01110
	15.0	1	090-005396-01115
	20.0	1	090-005396-01120
	25	1	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 stk	Item no.
Drive roll, 37 mm, for steel	0.6 - 0.8	37	1	094-003217-00000
	0.8 - 1		1	094-003218-00000
	0.9 - 1.2		1	094-003221-00000
	1 - 1.2		1	094-003219-00000
	1.2 - 1.6		1	094-003220-00000

FE GR2R



Designation	PU stk	Item no.
Pressure roll set, smooth, 37 mm	1	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
- **Equipment as supplied (steel wire Ø 1.2)**

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

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

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

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

PM MIG/MAG welding torch - Gas-cooled

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
- 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
- **Equipment as supplied (steel wire Ø 1.2)**

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

Designation	Hose package length m	PU	Item no.
MIG/MAG function torch, gas-cooled, 2 Up/Down, with X technology	3.0	1	094-700002-00300
	4.0	1	094-700002-00304
	5.0	1	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
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only
- **Equipment as supplied (steel wire Ø 1.2)**

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

Designation	Hose package length m	PU	Item no.
MIG/MAG welding torch, water-cooled	3.0	1	094-700004-00000
	4.0	1	094-700004-00004
	5.0	1	094-700004-00005
	6.5	1	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
- 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
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only
- **Equipment as supplied (steel wire Ø 1.2)**

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

Designation	Hose package length m	PU	Item no.
MIG/MAG welding torch with LED lighting, water-cooled	3.0	1	094-700004-00900
	4.0	1	094-700004-00904
	5.0	1	094-700004-00905
	6.5	1	094-700004-00965

PM MIG/MAG welding torch - Water-cooled

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
- 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
- **Equipment as supplied (steel wire Ø 1.2)**

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

Designation	Hose package length m	PU	Item no.
MIG/MAG function torch, water-cooled, 2 Up/Down, with X technology	3.0	1	094-700004-00300
	4.0	1	094-700004-00304
	5.0	1	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
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only
- **Equipment as supplied (steel wire Ø 1.2)**

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

Designation	Hose package length m	PU	Item no.
MIG/MAG welding torch, water-cooled	3.0	1	094-700005-00000
	4.0	1	094-700005-00004
	5.0	1	094-700005-00005
	6.5	1	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
- 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
- **Recommended use for 6.5 m hose packages:** For steel and CrNi with a wire diameter of 1.2 to 1.6 mm only
- **Equipment as supplied (steel wire Ø 1.2)**

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

Designation	Hose package length m	PU	Item no.
MIG/MAG welding torch with LED lighting, water-cooled	3.0	1	094-700005-00900
	4.0	1	094-700005-00904
	5.0	1	094-700005-00905
	6.5	1	094-700005-00965

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
- 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
- **Equipment as supplied (steel wire Ø 1.2)**

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

Designation	Hose package length m	PU	Item no.
MIG/MAG function torch, water- cooled, 2 Up/Down, with X technology	3.0	1	094-700005-00300
	4.0	1	094-700005-00304
	5.0	1	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)**

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

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

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

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

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)**

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

Designation	Hose package length m	PU	Item no.
MIG/MAG welding torch, water-cooled	3.0	1	394-600012-00000
	4.0	1	394-600012-00004
	5.0	1	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

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

SALES AND SERVICE LOCATIONS GERMANY

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

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 Wittstock
Ruppiner Straße 6 | 16909 Wittstock
Tel: +49 3394 40009-0 | Fax: -20
www.ewm-wittstock.de | info@ewm-wittstock.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 Ibbenbüren
Gildestraße 23 | 49477 Ibbenbüren
Tel: +49 5451 93683-0 | Fax: -20
www.ewm-ibbenbueren.de | info@ewm-ibbenbueren.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

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
Gewerbestraße 7 | 4653 Eberstallzell | 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

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

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

EWM AG | Sales and Technology Centre Siegen
Köhlerweg 29 | 57250 Netphen
Tel: +49 2738 69241-0 | Fax: -20
www.ewm-siegen.de | info@ewm-siegen.de

EWM AG | Sales and Technology Centre Stuttgart
Schelmenwasenstr. 23 | 70567 Stuttgart-Fasanenhof
Tel: +49 711 633 929 -0 | Fax: -20
www.ewm-stuttgart.de | info@ewm-stuttgart.de

EWM AG | Sales and Technology Centre Singen
Hohenkräher Brühl 6 | 78259 Mühlhausen-Ehingen
Tel: +49 7733 5039-0 | Fax: -79
www.ewm-singen.de | info@ewm-singen.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 Tettngang
Karlsdorfer Straße 43 | 88069 Tettngang
Tel: +49 7542 97998-0 | Fax: -29
www.ewm-tettngang.de | info@ewm-tettngang.de

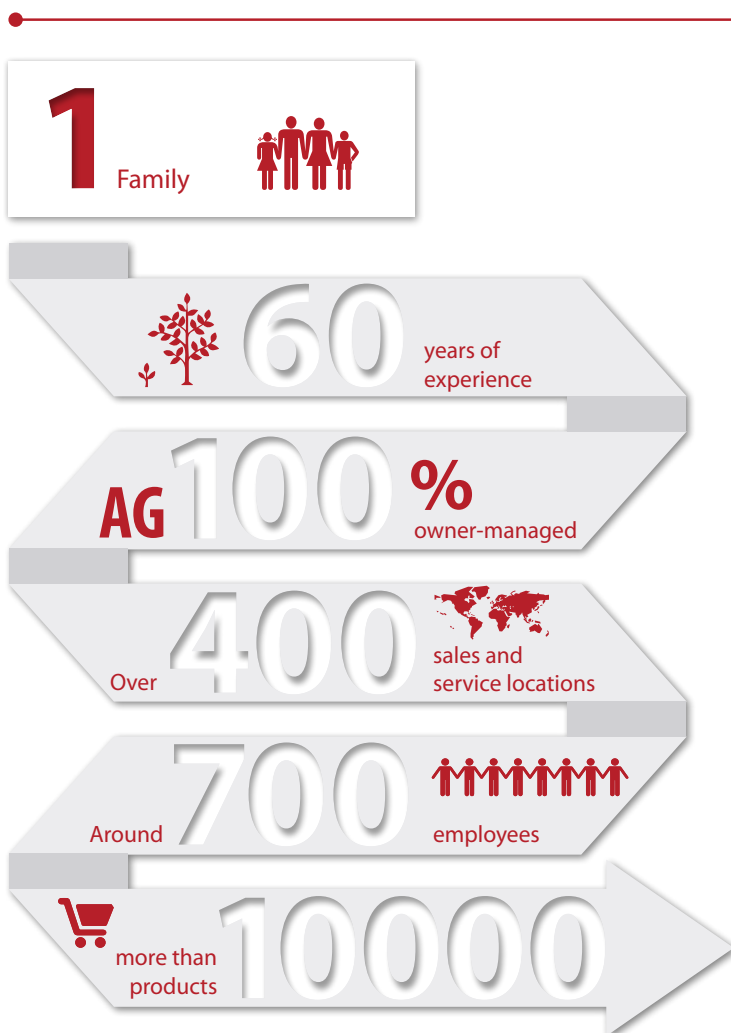
EWM AG | Sales and Technology Centre Neu-Ulm
Heinkelstraße 8 | 89231 Neu-Ulm
Tel: +49 731 7047939-0 | Fax: -15
www.ewm-neu-ulm.de | info@ewm-neu-ulm.de

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 | 70-661 Stettin | Poland
Tel: +48 91 433 08 70
www.ewm-stettin.pl | info@ewm-stettin.pl

Would you like to find out more? Call us or send us an email! We're always happy to hear from you.
Tel.: +49 2680 181-0 | www.ewm-group.com/contact



Quality from Germany

EWM AG is Germany's largest and one of the most important world-wide manufacturers of arc welding technology and a major driving force in welding technology.

The family-run company from Mündersbach has been living its motto **"WE ARE WELDING"** for over 60 years with forward-looking, well thought-out and sustainable complete solutions, designed with a large helping of passion for industrial clients, as well as skilled craft businesses.

1 Partner for all your welding technology needs 

EWM AG

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

Come visit us!



Sales | Consultancy | Service