

Taurus 355 Basic TDM

090-005286-00502



- MIG/MAG inverter welding machine with separate wire feeder
- Manual twin-knob operation (welding voltage and wire feeding)
- Suitable for GMAW welding of steel/CrNi/aluminium at no extra charge
- Suitable for MMA welding and gouging at no extra charge
- Large power reserves thanks to high duty cycle with all components heating up less as a result, guaranteeing a longer service life for machines when in use
- Infinitely adjustable arc dynamics (choke effect)
- Equipped for 1.2 mm steel wire
- Gas-cooled or optionally water-cooled with cool 50 cooling unit
- Excellent torch cooling, resulting in cost savings on consumables due to high-performance centrifugal pump and 5-litre water tank (cool50 cooling unit)
- Energy-saving thanks to high efficiency and standby function
- Easy, tool-free change of welding polarity
- Earth fault monitoring (PE protection)
- 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
- Trolley 55-5 trolley and cool50 cooling unit available
- **Scope of supply includes welding machine only; other components such as wire feeder and cooling unit can be selected from accessories!**

	MIG/MAG		MMA	
Setting range for welding current	5 A - 350 A			
Duty cycle at ambient t.e	40 °C	25 °C	40 °C	25 °C
60 %	350 A			
100 %	300 A			
Open circuit voltage	80 V			
Mains frequency	50 Hz / 60 Hz			
Mains fuses (slow-blow)	3 x 25 A			
Mains voltage (tolerances)	3 x 400 V (-25 % - +20 %)			
Max. connected load	12.7 kVA		13.8 kVA	
Recommended generator power	13.1 kVA		18.7 kVA	
cos φ	0.99			
Efficiency	90 %			
Spool diameter	1 mm - 1.2 mm			
Drive rolls	4			
Wire speed	Wire speed m/min, 0.5 m/min - 25 m/min			
	Wire speed ipm, 19.68 ipm - 944.88 ipm			
Dimensions machine, LxWxH in mm	625 x 300 x 535			
Wire feeder, LxWxH in mm	660 x 280 x 380			
Weight, machine	41 kg			
Weight, wire feeder	12 kg			
Protection classification	IP 23			
Standards	IEC 60 974-1; -5; -10 / S-Safety sign / EMC class A			

16.05.2017

System components for welding MIG/MAG

drive 4 Basic

090-005401-00502



- MIG/MAG wire feeder, suitable for Taurus Basic
- 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
- Standardised accessories, options and replacement parts
- Dimensions: LxBxH in mm 660x280x380, weight: 12 kg
- Illumination of internal spaces
- Solidly-designed base of aluminium continuous casting
- Standard sliding rails
- Protected arrangement of connections for intermediate hose packages and control cables
- Non-technical personnel can change hose packages without tools
- Equipped for 1.2 mm steel, stainless steel, flux cored, and brazing wire
- eFeed: Innovative 4-roll drive (4x toothed)
- Double ball bearings per axle
- Fully automated wire inching until wire contacts the workpiece
- Tool-free roller change, permanently secure roller fasteners
- Adjustable contact pressure for each roller pair
- Rollers colour-coded for wire diameter and material

MIG G 19POL 70qmm 450A/60% 1m

094-011063-00000



- 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

MT401G M9 4m

094-500057-00004



- Gas-cooled MIG/MAG welding torch
- Best ignition characteristics even with thin wires
- Ergonomically formed grip to take the strain out of work
- **Equipment as supplied (steel wire Ø 1.2 mm):**
- Gas nozzle Ø 17 mm; 66 mm
- Gas diffuser Ø 20 mm; 21.5 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm and contact tip holder M9 x 35 mm
- Or contact tip M8 x 30 mm; Ø 1.2 mm and contact tip holder M8 x 34.5 mm
- Steel liner red; Ø 2 mm x 4.6 mm

System components for welding MIG/MAG

OW CEE 32A

092-008215-00000



- Factory fitting (no retrofitting)
- Suitable for all machines with a welding current of 350 A and above

WK50mm² 350A/60% 4m/K

092-000003-00000



- Completely assembled workpiece lead with terminal

DM 842 Ar/CO₂ 230bar 30l D

394-002910-00030



- Manufactured in accordance with ISO 2503
- Maximum primary pressure of 230 bar
- Single-stage
- Infinite and highly accurate adjustment
- Safety manometer with pressure meter or flow meter (bar/psi or litres per minute)
- With cut-off valve

Accessories

drive 4 Basic MMA

090-005401-51502



- MIG/MAG wire feeder, suitable for Taurus Basic
- 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
- Standardised accessories, options and replacement parts
- Dimensions: LxBxH in mm 660x280x380, weight: 12 kg
- Illumination of internal spaces
- Solidly-designed base of aluminium continuous casting
- Standard sliding rails
- Protected arrangement of connections for intermediate hose packages and control cables
- Non-technical personnel can change hose packages without tools
- Equipped for 1.2 mm steel, stainless steel, flux cored, and brazing wire
- eFeed: Innovative 4-roll drive (4x toothed)
- Double ball bearings per axle
- Fully automated wire inching until wire contacts the workpiece
- Tool-free roller change, permanently secure roller fasteners
- Adjustable contact pressure for each roller pair
- Rollers colour-coded for wire diameter and material
- Connection capability for electrode holder and gouging torch

drive 4 IC Basic

090-005416-00502



- MIG/MAG wire feeder, suitable for Taurus Basic
- Steel housing, closed
- Robust, for tough production applications
- Equipped for 1.2 mm steel, stainless steel, flux cored, and brazing wire
- eFeed: Innovative 4-roll drive (4x toothed)
- Double ball bearings per axle
- Fully automated wire inching until wire contacts the workpiece
- Tool-free roller change, permanently secure roller fasteners
- Adjustable contact pressure for each roller pair
- Rollers colour-coded for wire diameter and material
- Wire spool diameter up to 300 mm/D300, 200 mm/D200 possible with adapter
- Casing: steel, dimensions: L x W x H in mm 633 x 496 x 262, weight: 22 kg

Accessories

MIG G 7POL 70qmm 450A/60% 1m

094-000580-00000



- 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

MIG G 19POL 70qmm 450A/60% 5m

094-011063-00001



- 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
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- Plug connectors in industrial quality
- Large cross-sections prevent voltage drops

MT301G M9 3m

094-500055-00000



- Gas-cooled MIG/MAG welding torch
- Best ignition characteristics even with thin wires
- Ergonomically formed grip to take the strain out of work
- **Equipment as supplied (steel wire Ø 1.0 mm):**
- Gas nozzle Ø 15 mm; 71 mm
- Gas diffuser Ø 17 mm; 14 mm
- Contact tip M9 x 35 mm; Ø 1.0 mm and contact tip holder M9 x 34.5 mm
- Or contact tip M8 x 30 mm; Ø 1.0 mm and contact tip holder M8 x 34.1 mm
- Steel liner blue; Ø 1.5 mm x 3.8 mm

Accessories

MT401G M8 3m

094-500077-00000



- Gas-cooled MIG/MAG welding torch
- Best ignition characteristics even with thin wires
- Ergonomically formed grip to take the strain out of work
- **Equipment as supplied (steel wire Ø 1.2 mm):**
- Gas nozzle Ø 17 mm; 66 mm
- Gas diffuser Ø 20 mm; 21.5 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm and contact tip holder M9 x 35 mm
- Or contact tip M8 x 30 mm; Ø 1.2 mm and contact tip holder M8 x 34.5 mm
- Steel liner red; Ø 2 mm x 4.6 mm

MT301G 2U/D M9 3m

094-500055-00300



- Gas-cooled MIG/MAG function torch
- Best ignition characteristics even with thin wires
- Ergonomically formed grip to take the strain out of work
- Setting of welding current and wire feed speed or voltage correction
- Program and JOB selection also available as an option
- For alpha Q, Phoenix, and Taurus
- **Equipment as supplied (steel wire Ø 1.0 mm):**
- Gas nozzle Ø 15 mm; 71 mm
- Gas diffuser Ø 17 mm; 14 mm
- Contact tip M9 x 35 mm; Ø 1.0 mm and contact tip holder M9 x 34.5 mm
- Or contact tip M8 x 30 mm; Ø 1.0 mm and contact tip holder M8 x 34.1 mm
- Steel liner blue; Ø 1.5 mm x 3.8 mm

MT401G 2U/D M8 3m

094-500077-00300



- Gas-cooled MIG/MAG function torch
- Best ignition characteristics even with thin wires
- Ergonomically formed grip to take the strain out of work
- Setting of welding current and wire feed speed or voltage correction
- Program and JOB selection also available as an option
- For alpha Q, Phoenix, and Taurus
- **Equipment as supplied (steel wire Ø 1.2 mm):**
- Gas nozzle Ø 17 mm; 66 mm
- Gas diffuser Ø 20 mm; 21.5 mm
- Contact tip M9 x 35 mm; Ø 1.2 mm and contact tip holder M9 x 35 mm
- Or contact tip M8 x 30 mm; Ø 1.2 mm and contact tip holder M8 x 34.5 mm
- Steel liner red; Ø 2 mm x 4.6 mm

Accessories

cool50-2 U40
090-008603-00502



- Cooling unit for water-cooled welding torches
- For decompact machines (TDM).
- We recommend using a cooling unit with a boosted 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
- Cooling capacity 1 l/min: 1000 W, max. flow rate: 5 l/min, max. output pressure: 3.5 bar, 4.0 l tank capacity
- Dimensions LxBxH in mm, 610x300x330. Weight: 16 kg

cool50-2 U42
090-008796-00502



- Cooling unit with boosted pump for water cooled welding torches with hose package lengths of 20 m and longer
- Cooling unit for water-cooled welding torches
- For decompact machines (TDM).
- Required for hose package lengths of 20 m and greater
- Use of overall hose package length up to 60 m for machines with separate wire feeder with/without additional miniDrive and overall hose package length up to 30 m for compact machines with additional miniDrive
- Modular design, tool-free assembly
- Cooling capacity 1 l/min: 1000 W, max. flow rate: 20 l/min, max. output pressure: 4.5 bar, 4.0 l tank capacity
- Dimensions LxBxH in mm, 610x300x330. Weight: 17 kg

Trolley 55-5
090-008632-00000



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

Accessories

R11 19POL

090-008601-00502



- Remote control to set the wire speed and welding voltage
- Robust metal casing with rubber feet, retaining clip and holding magnet, 19-pole connection socket
- For Taurus Basic

RG11 19POL 5M

090-008107-00000



- 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
- For Taurus Basic

OW CEE 32A

092-008215-00000



- Factory fitting (no retrofitting)
- Suitable for all machines with a welding current of 350 A and above

5POLE/CEE/32A/M

094-000207-00000



- Mains plugs

WK50mm² 350A/60% 4m FIX

398-000597-00000



- Completely assembled workpiece lead with original FIX clamp

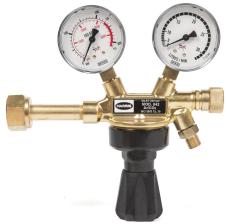
Accessories

WK50mm² 350A/60% 4m/K
092-000003-00000



- Completely assembled workpiece lead with terminal

DM 842 Ar/CO₂ 230bar 30l D
394-002910-00030



- Manufactured in accordance with ISO 2503
- Maximum primary pressure of 230 bar
- Single-stage
- Infinite and highly accurate adjustment
- Safety manometer with pressure meter or flow meter (bar/psi or litres per minute)
- With cut-off valve

ON AL D13/27
092-003282-00000



- Abdeckkappe für Lastbuchsen

Gas hose
094-000010-00001



- Equipped with plastic nuts on both sides for tool-free assembly

ON WAK xx5
092-001356-00000



- Wheel set – facilitates work at frequently changing welding sites
- For Picomig 185 / 355 Phoenix / Taurus 355 TKM and Phoenix / Taurus 355, 405, 505 TDM

Accessories

OW CEE 16A/400V

092-008214-00000



- Factory fitting (no retrofitting)

OW 480Volt 351/451/551

092-002647-00001



- Multi-voltage design for operation with mains voltages of 440 V, 460 V and 480 V
- Not possible with the compact 355 series machines!

ON FILTER 405/505

092-002698-00000



- Dirt filter for air inlet
- Reliably protects the machine from dirt under difficult working conditions.
- Suitable for decompact Phoenix xx5, Taurus xx5, cool50 U40 and cool50-2 U40

ON TC 55

092-002899-00000



- Tool box for mounting to trolley Trolley 55-5
- All tools and replacement parts always to hand.
- Only suitable for gas-cooled machines from the XX5 series used with trolley 55,5!