

Picomig 355 puls TKM

090-005542-00502



WE ARE WELDING



- GMAW pulsed welding
- GMAW standard welding
- Synergic or manual welding operation
- EWM forceArc – welding
- EWM forceArc puls – pulsed welding
- EWM rootArc – welding
- EWM rootArc puls – pulsed welding
- Synergic characteristics for steel, CrNi and aluminium
- 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
- Perfect for welding self-shielding flux cored wires
- Infinitely adjustable arc dynamics (choke effect)
- MMA welding
- Non-latched/latched operation
- Interval welding
- Adjustable gas pre-flows/post-flows
- Saves power through highly efficient performance
- TIG lift arc welding
- Robust casing suitable for construction site use
- Equipped for 1.0 mm steel wire
- Wire spool diameter up to 300 mm/D300, 200 mm/D200 possible with adapter
- Gas-cooled or optionally water-cooled with cool 50 cooling unit
- Easy, tool-free change of welding polarity
- Earth fault monitoring (PE protection)
- IP23 spray water protected
- Connection capability for remote control, function torch and cooling unit
- Mains connection 3 x 400 V/16 A
- 5 m mains supply lead
- **Scope of supply includes welding machine only; other components such as wire feeder and cooling unit can be selected from accessories!**

	MIG/MAG	TIG	MMA
Setting range for welding current		5 A - 350 A	
Duty cycle at ambient t.e		40 °C	
40 %		350 A	
60 %		300 A	
100 %		270 A	
Open circuit voltage		79 V	
Mains frequency		50 Hz / 60 Hz	
Max. connected load	13.9 kVA	10.6 kVA	15 kVA
Recommended generator power	18.8 kVA	14.3 kVA	20.3 kVA
cos φ		0.99	
Efficiency		88 %	
Spool diameter		1 mm - 1.2 mm , - 300 mm	
Drive rolls		4	
Wire speed		1 m/min - 20 m/min	
Dimensions machine, LxWxH in mm		636 x 298 x 482	
Weight, machine		33.4 kg	
Protection classification		IP 23	
Insulation class		F	

19.02.2018



WE ARE WELDING

Torch connection

Euro torch connector

Standards

IEC 60 974-1; -5; -10 / S-Safety sign / EMC class A

Welding site equipment for MIG/MAG welding

MT301G M9 4m

094-500055-00004



- 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 1.0 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

MT301W M7 4m

094-500058-00004



- Best ignition characteristics even with thin wires
- Ergonomically formed grip to take the strain out of work
- **Equipment as supplied (steel wire 1.2 mm):**
- Gas nozzle Ø 13 mm; 66 mm
- Gas diffuser Ø 14.5 mm; 12.5 mm
- Contact tip M7 x 30 mm; Ø 1.2 mm and contact tip holder M7 x 31.5 mm
- Or contact tip M6 x 28 mm; Ø 1.2 mm and contact tip holder M6 x 30.5 mm
- Steel liner red; Ø 2 mm x 4.6 mm

cool50 U40

090-008598-00502



- Cooling unit for water-cooled welding torches
- For compact machines (TKM).
- 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

KF 23E-10, -10

094-000530-00000



- Coolant (-10 °C), 9.3 l

Welding site equipment for MIG/MAG welding

Trolley 35.2-2

090-008296-00000



- Transport cart
- Solid, stable design
- For transporting a power source, a cooling unit and a gas cylinder
- Can be lifted by crane (option ON CS Trolley 35.2-2 required)

OW CEE 16A/400V

092-008214-00000



- Factory fitting (no retrofitting)

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

Gas hose

094-000010-00001



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

Accessories

ON WAK xx5

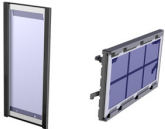
092-001356-00000



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

ON Filter 335

092-002662-00000



- Dirt filter for air inlet
- Comprised of two filter units
- For Picomig 185/355 and Phoenix/Taurus 355 compact

ON CS 55

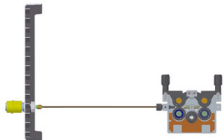
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- Crane suspension for Picomig 180/185 D3/305 D3; Phoenix and Taurus 355 compact; drive 4

ON D BARREL

092-007929-00000



- Wire guide Rolliner for drum feed

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!

Accessories

MT301G M8 3m

094-500076-00000



- 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

TIG 150 G GRIP EZA 4m

394-512291-04000



- Gas-cooled TIG welding torch
- Euro torch connector for operation on Picomig, Taurus, Phoenix and alpha Q (except alpha Q 330)
- Single-push button
- Ergonomic GRIP handle for a secure grip
- **Equipment as delivered:**
- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

Trolley 35.2-2

090-008296-00000



- Transport cart
- Solid, stable design
- For transporting a power source, a cooling unit and a gas cylinder
- Can be lifted by crane (option ON CS Trolley 35.2-2 required)

Trolley 55-5

090-008632-00000



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

Accessories

R10 19POL

090-008087-00502



- For alpha Q, Phoenix and Taurus Synergic S
- Robust metal casing with rubber feet, retaining clip and holding magnet, 19-pole connection socket

RG10 19POL

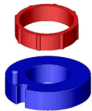
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- Remote control for Alpha Q, Phoenix, and Taurus, setting of wire feed speed and welding voltage
- Remote control to set the wire speed and welding voltage
- Plastic casing with retaining clip, 19-pole connection socket
- Light, robust and convenient
- 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
- For alpha Q, Phoenix and Taurus Synergic S machines

CA D200

094-011803-00000



- Centering adapter 5 kg (D200) spools on wire spool support for 15 kg (D300) spools

AK300

094-001803-00001



- Wire spool adapter for use with a wire basket spool (B 300)

OW CEE 16A/400V

092-008214-00000



- Factory fitting (no retrofitting)

Accessories

5POLE/CEE/16A/M

094-000712-00000



- Mains plugs

WK50mm² 350A/60% 4m/K

092-000003-00000



- Completely assembled workpiece lead with terminal

WK50mm² 350A/60% 4m FIX

398-000597-00000



- Completely assembled workpiece lead with original FIX clamp

EH 50qmm 4m

092-000004-00000



- Fully assembled electrode holder with cable

ON AL D13/27

092-003282-00000



- Cap for load sockets

Gas hose

094-000010-00003



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

Accessories

ADAP DZA/EZA

094-016765-00000



- Adapter for welding torches with Dinse connector to use Euro torch connector on the machine

AL 4R 0.8 MM/0.03 INCH WHITE/YELLOW

092-002771-00008



- Drive roll set, U-groove for aluminium
- Four roll set

FE 4R 0.8 MM/0.03 INCH WHITE

092-002770-00008



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

FUEL 4R 0.8 MM/0.03 INCH WHITE/ORANGE

092-002848-00008



- Drive roll set, V-groove/knurlled for flux cored wire
- Four roll set

GuideTube L=100 mm, Ø 4,4 x 5 mm

094-020064-00000



- Guide tube for use on a liner when welding or brazing soft or alloyed wire
- **Recommendation:**
- Use a steel liner with capillary tube to weld hard, unalloyed wire electrodes (steel)
- Use a liner with guide tube to weld or braze soft or alloy wire electrodes
- Suitable for wire feeders in the drive 4X HP/LP /Basic and drive 4X IC HP/LP/Basic series
- Suitable for welding machines in the series alpha Q., Phoenix, Taurus and Picomig (except the 180) with eFeed drive unit

Accessories

CAPTUB L=107 mm; Ø ≤ 1,6 mm

094-006634-00000



- 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
- Suitable for wire feeders in the drive 4X HP/LP/Basic, drive 4X IC HP/LP/Basic and drive 4/41 series
- Suitable for welding machines in the alpha Q, Phoenix, Taurus, Picomig (except the 180), Saturn and Wega series