

/ Battery Charging Systems / Welding Technology / Solar Electronics



SHIFTING THE LIMITS

TRANSSTEEL WELDING TORCHES MTG / MTW

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**WE HAVE THREE DIVISIONS
AND ONE PASSION:
SHIFTING THE LIMITS.**

TRANSSTEEL WELDING TORCHES: OVERVIEW

MTG 3500/5000



Gascooled manual welding torch in approved Fronius quality

MTG 5300



Gascooled manual welding torch – maximum power

MTG 5300-M



Gascooled automatic welding torch – maximum power

MTW 3500/5000



Watercooled manual welding torch in approved Fronius quality

MTW 5000-M



Watercooled automatic welding torch in approved Fronius quality

NEW

Manual torch is available as standard or with Up/Down function



TECHNICAL DATA ACC. TO EN60974-7

	Welding current CO ₂ / Duty cycle	Welding current mixed gas / Duty cycle
MTG 3500	350 A / 40% 280 A / 60% 210 A / 100%	280 A / 40% 220 A / 60% 180 A / 100%
MTG 5000	500 A / 40% 400 A / 60% 310 A / 100%	400 A / 40% 320 A / 60% 250 A / 100%
MTG 5300 MTG 5300-M	530 A / 40 % 420 A / 60 % 360 A / 100 %	500 A / 40 % 420 A / 60 % 360 A / 100 %
MTW 3500	350 A / 100%	300 A / 100%
MTW 5000 MTW 5000-M	500 A / 100%	400A / 100%

OPTIMAL WELDING PERFORMANCE DUE TO ...

MTG 3500/5000



Gascooled manual welding torch in approved Fronius quality

MTG 5300



Gascooled manual welding torch – maximum power

MTG 5300-M



Gascooled automatic welding torch – maximum power

MTW 3500/5000



Watercooled manual welding torch in approved Fronius quality

MTW 5000-M



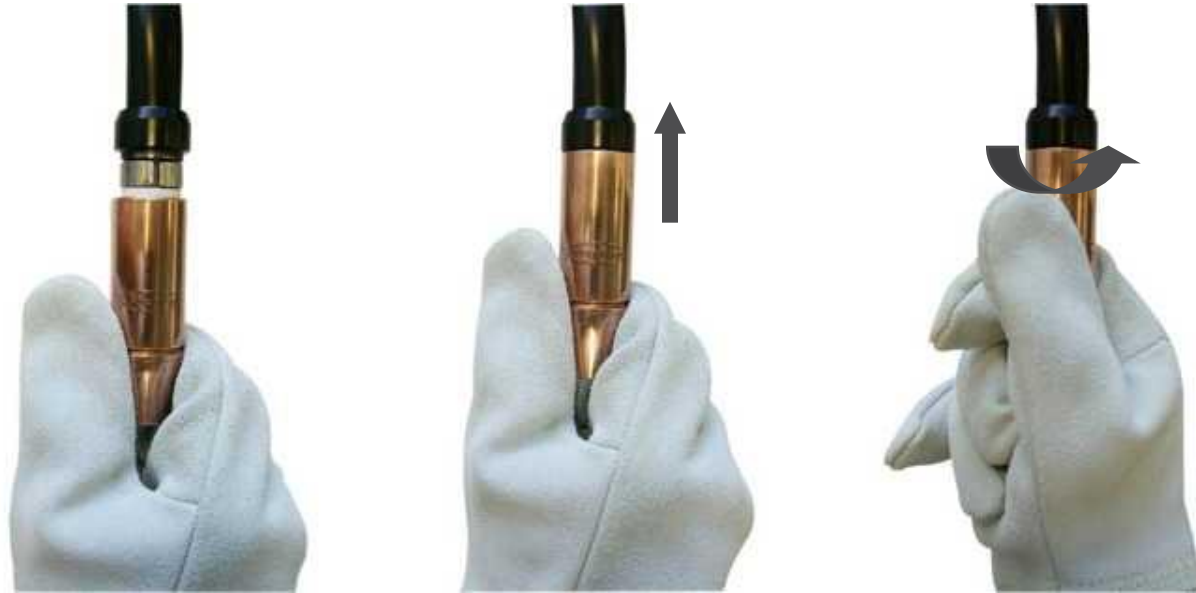
Watercooled automatic welding torch in approved Fronius quality

NEW

Manual torch is available as standard or with Up/Down function



... NEW GAS NOZZLE FIXING „FAST SNAP“ AT GASCOOLED WELDING TORCHES



Bring into position – turn – ready

No conical gas nozzle admission, which can wear out!

... STABLE TORCH BODY IN APPROVED FRONIUS QUALITY

/ Gascooled:

/ Outer tube of steel

/ Watercooled:

/ Outer tube of brass

/ Conical gas nozzle admission is changeable

/ No spring ring at the gas nozzle but fixing sleeve at the torch body

/ **Advantage:** admission diameter remains the same



... STABLE TORCH BODY IN APPROVED TORCH TECHNOLOGY

/ Gas- and watercooled:

- / Nozzle stock of brass – no rubbing in the contact tip possible
- / Standard M8 and M10 contact tips are used
- / Insulation of the torch body is inside of outer tube – no wear out due to abrasion possible
- / Temperature resistant
- / No forced contacting necessary, because there are no 0° torch bodies available.

... NEW HANDLE W6

- / Ergonomically formed
- / Tiredness free working due to non slip and soft components at the handle
- / Gun trigger with gold contacts
- / One handle for Standard and Up/Down
(simple conversion from Standard to Up/Down and the other way round possible)



... OPTIMAL HANDLING

/ Optimal weight distribution

/ Ball joint

/ Better handling

/ Optimal radius of movement

/ Coax cable at gascooled welding torches

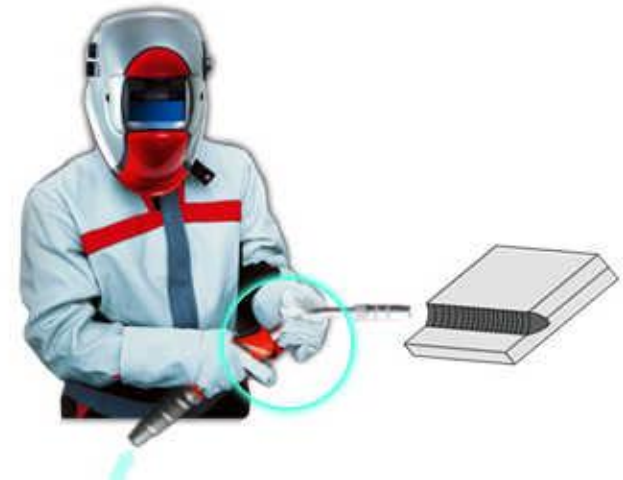
/ Highly flexible

/ Abrasion resistant

/ UV-, Oil- and lubricant resistant

/ Bend protection

/ Optimised bend protection for each welding position



... UP/DOWN USERINTERFACE WITH FUNCTION DISPLAY

/ 3 LED`s for function display

/ Run-up/starting sequence: LED`s light up in sequences (self-check)

/ Easy Job

/ Error indicators: all LED`s light up red if there is a system fault, all LED`s flash red if there is a data communication fault

/ Innovative bus system ensures Up/Down upgrade

/ One control wire fo all applications



... VERY LIGHT HEAT PROTECTION SHIELD

- / Heat resistant high-performance material
- / Simple mounting and demounting due to a click system
- / Turnable heat protection shield for shielding the radiant heat and welding spatters
- / Standard at MTG 5000 / MTG 5300 and MTW 5000
- / Optional at MTG 3500 and MTW 3500

- / Article number:
 - / 42,0405,0753 heat protection shield $\varnothing 18$








... FRONIUS SYSTEM CONNECTOR (FSC)

Central connector of the next generation

- / TransSteel torches are equipped with the FSC as standard
- / Toolless and fast torch changing, hardly any operating errors possible
- / Process security by a defined current transfer
- / No external control plug – all control signals are integrated into the central connector
- / One central connector for all applications (manual-, automatic- and robot systems – PAP and conventional)



THE NEW WELDING TORCH FOR MAXIMUM POWER ...

MTG 3500/5000	MTG 5300	MTG 5300-M	MTW 3500/5000	MTW 5000-M
				
Gascooled manual welding torch in approved Fronius quality	Gascooled manual welding torch – maximum power	Gascooled automatic welding torch – maximum power	Watercooled manual welding torch in approved Fronius quality	Watercooled automatic welding torch in approved Fronius quality

NEW

Manual torch is available as standard or with Up/Down function



MTG 5300/5300-M: FOR MAXIMUM POWER

/ High-Performance materials

- / Outer tube of CrNi – maximum stability and resistance to corrosion
- / Nozzle stock of copper

/ Ergonomic handling because of 50° angle of torch neck

/ New contact tip

- / Optimized geometry
- / Lowest thermal absorption due to minimum working surface

/ Threaded gas nozzle with course thread

/ Approved Fronius quality

- / Ergonomically formed handle
- / Ball joint, coax cable and bend protection
- / FSC



Article numbers: TransSteel welding torch portfolio

ARTICLE NUMBERS MANUAL WELDING TORCHES

MTG 3500 gascooled

4,035,885 MTG 3500 S/G/FSC/3,5m
4,035,886 MTG 3500 S/G/FSC/UD/3,5m
4,035,887 MTG 3500 S/G/FSC/4,5m
4,035,888 MTG 3500 S/G/FSC/UD/4,5m

MTG 5000 gascooled

4,035,889 MTG 5000 S/G/FSC/3,5m
4,035,890 MTG 5000 S/G/FSC/UD/3,5m
4,035,891 MTG 5000 S/G/FSC/4,5m
4,035,892 MTG 5000 S/G/FSC/UD/4,5m

MTG 5300 gascooled

4,035,969 MTG 5300 S/FSC/3,5m
4,035,970 MTG 5300 S/FSC/4,5m

MTW 3500 watercooled

4,035,893 MTW 3500 S/W/FSC/3,5m
4,035,894 MTW 3500 S/W/FSC/UD/3,5m
4,035,895 MTW 3500 S/W/FSC/4,5m
4,035,896 MTW 3500 S/W/FSC/UD/4,5m

MTW 5000 watercooled

4,035,897 MTW 5000 S/W/FSC/3,5m
4,035,898 MTW 5000 S/W/FSC/UD/3,5m
4,035,899 MTW 5000 S/W/FSC/4,5m
4,035,900 MTW 5000 S/W/FSC/UD/4,5m

*MTG = MIG Torch Gascooled

*MTW = MIG Torch Watercooled

*S = Standard / Stahl

UD = Up/Down-Function

ARTICLE NUMBERS AUTOMATIC WELDING TORCHES

MTG 5300-M gascooled

4,035,915 MTG5000-M S/G/FSC/1,5m

4,035,916 MTG5000-M S/G/FSC/2,5m

4,035,917 MTG5000-M S/G/FSC/3,5m

MTW 5000-M watercooled

4,035,918 MTW5000-M S/W/FSC/1,5m

4,035,919 MTW5000-M S/W/FSC/2,5m

4,035,920 MTW5000-M S/W/FSC/3,5m

*MTG = MIG Torch Gascooled

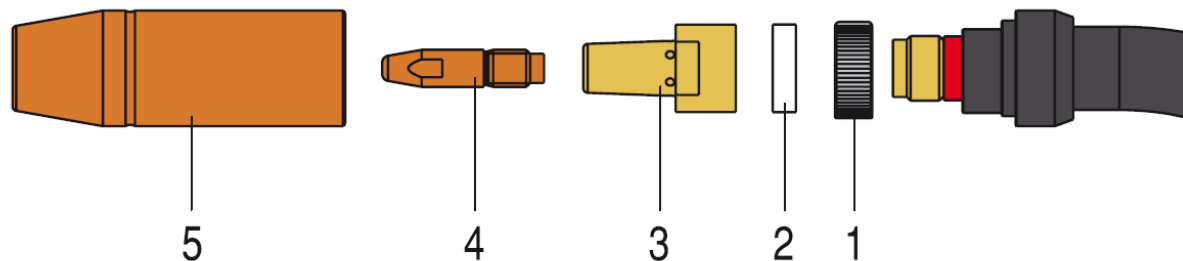
*MTW = MIG Torch Watercooled

*S = Standard / Steel

Spare and wearing parts

SPARE AND WEARING PARTS

MTG 3500



/ Spare parts:

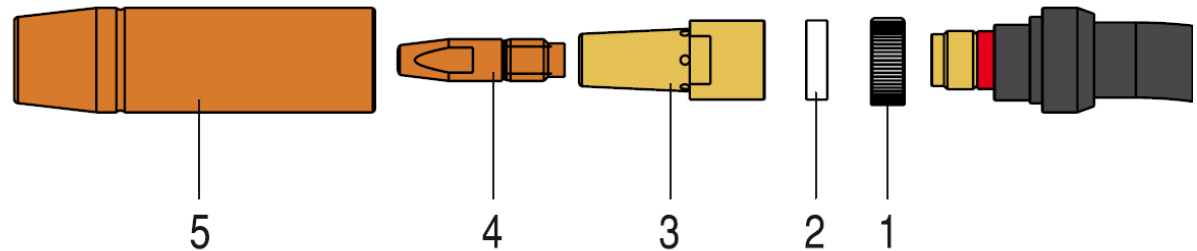
- / (1) 42,0404,0397 Flat spring CrNi $\varnothing 20,8\text{mm}$
- / (2) 42,0100,0513 Insulating ring ceramic 19x5mm

/ Wearing parts:

- / (3) 42,0001,6243 Nozzle stock M8/SW15x33
- / (4) Contact tip M8
- / (5) 44,0350,2886 Gasnozzle $\varnothing 20,5/\varnothing 25 \times 72$

SPARE AND WEARING PARTS

MTG 5000



/ Spare parts:

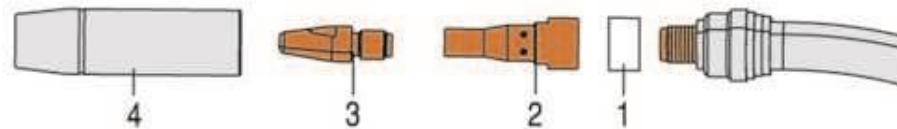
- / (1) 42,0404,0397 Flat spring CrNi \varnothing 20,8mm
- / (2) 42,0100,0513 Insulating ring ceramic 19x5mm

/ Wearing parts:

- / (3) 42,0001,6247 Nozzle stock M10x1,25/SW15x44,5
- / (4) Contact tip M10
- / (5) 44,0350,2887 Gas nozzle \varnothing 20,5/ \varnothing 25x86,5

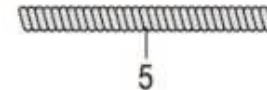
SPARE AND WEARING PARTS

MTG 5300 / MTG 5300-M



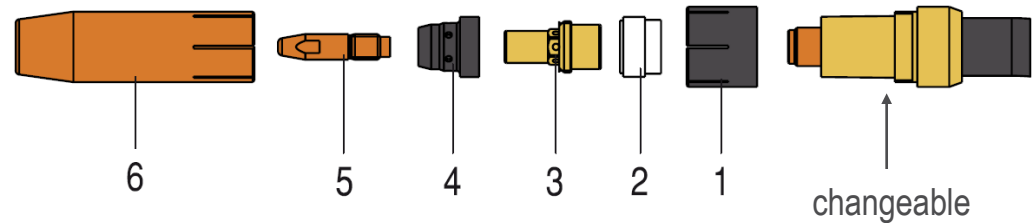
/ Wearing parts:

- / (1) 42,0100,0510 Insulating ring
- / (2) 42,0001,3874 Nozzle stock
- / (3) 42,0001,3891 Contact tip 1,2/M8/ø10x32 spi (multiple diameters available)
- / (4) 44,0350,1380 Gas nozzle ø18/ø27x87,5 CT
- / 44,0350,3179 Gas nozzle ø17/ø27x83,5 CT
- / (5) 44,0404,0434 Steel inner liner insol. 1,2/3,5m MTG (multiple diameters available)



SPARE AND WEARING PARTS

MTW 3500



/ Spare parts:

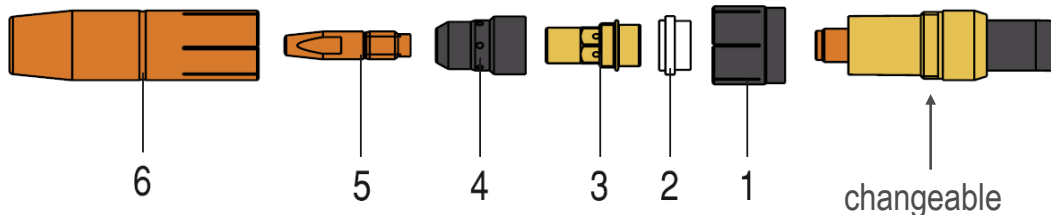
- / (1) 42,0001,2930 Fixing sleeve $\varnothing 22,2/\varnothing 25 \times 22$
- / (2) 42,0100,1083 Insulating ring $\varnothing 14/\varnothing 18,7 \times 12,8$

/ Wearing parts:

- / (3) 42,0001,6296 Nozzle stock M8/SW10x30
- / (4) 42,0100,1130 Spatter guard $\varnothing 10,1 \varnothing 18,8 \times 19$
- / (5) Contact tip M10
- / (6) 42,0001,6295 Gas nozzle conical $\varnothing 13/\varnothing 22 \times 74,5$

SPARE AND WEARING PARTS

MTW 5000 / MTW 5000-M



/ Spare parts:

- / (1) 42,0001,2970 Fixing sleeve $\varnothing 24,2/\varnothing 28 \times 23$
- / (2) 42,0100,1016 Insulating ring $\varnothing 15/\varnothing 21 \times 10$

/ Wearing parts:

- / (3) 42,0001,6297 Nozzle stock M10x1,25/SW13x30
- / (4) 42,0100,1007 Spatter guard $\varnothing 10 \varnothing 20,8 \times 28,5$
- / (5) Contact tip M10
- / (6) 42,0001,5127 Gas nozzle cylindrical $\varnothing 20/\varnothing 25 \times 79$
 - *) 42,0001,5128 Gas nozzle conical $\varnothing 17,2/\varnothing 25 \times 79$
 - 42,0001,5607 Gas nozzle conical $\varnothing 17/\varnothing 25 \times 74,5$
 - 42,0001,5130 Gas nozzle conical $\varnothing 17,2/\varnothing 25 \times 79$ massiv
 - 42,0001,5129 Gas nozzle conical $\varnothing 15/\varnothing 25 \times 79$

SPARE AND WEARING PARTS

/ Wire guide inlet nozzles

- / 42,0001,6270 Wire guide inlet nozzle FSC \varnothing 0,8
- / 42,0001,6271 Wire guide inlet nozzle FSC \varnothing 1,0
- / 42,0001,6272 Wire guide inlet nozzle FSC \varnothing 1,2
- / 42,0001,6273 Wire guide inlet nozzle FSC \varnothing 1,6

/ Inner liners

- / Same inner liners like at AW and AL torches (Fronius version)

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