



SuperSnake GT02S

Weld predator

SuperSnake GT02S & SW user groups



Customer groups

- Offshore, Shipyards
- Chemistry industry
- Food industry, Tanks, Vessels
- Mining industry
- Heavy metal industry,
Large components, Cranes
- Transportation industry,
Containers, Wagons, Trailers
- Architecture, Bridges, structures
- Machine building
- Power plants, Energy sector
- Petroleum industry, Refineries
- Installation, Maintenance, Repair



SuperSnake GT02S & SW

Arguments

- Negotiate welding Terrain
 - if distance and access is your problem in welding
- Extend and Reach
 - SuperSnake™ extends Euro MIG gun reach up to 30m
- Freedom to Weld
 - SuperSnake™ removes the need to carry large and heavy wire feeders and c
- Light weight, High Volume
 - SuperSnake GT02S resolves all of these issues, providing distance and volume welding, whilst reducing the weight and strain on the operator's wrist by using standard welding guns
 - traditional motor pistols and spool gun designs increase weight and strain on the operator's wrist and are limited by their distance, filler wire, or volume welding capability



SuperSnake - improve work results

- Operator has less weight to carry and less need to move equipment
- SuperSnake improves welding logistics:
 - Improves Productivity ➡ More Arc time
 - Ergonomics ➡ Easy to carry and move in restricted space
 - Motivation ➡ Help the welder achieve in demanding environments
 - Safety ➡ Less risk for work accidents and injuries
 - Usability ➡ Brights™ lighting improves work efficiency and safety
- Combined time savings in weld site management and efficiency



SuperSnake GT02S & GT02S W

- Powerful solution for long distances
- Powerful GT WireDrive™
- Better ergonomics than using a conventional push-pull gun
- Stepless regulation for U and Wfs (I)
- Simple and effective cabin door locking
- Automatic WELD DATA
- Cabin includes Brights™- illuminating the wire feed mechanism for low light situations



SuperSnake GT02S & GT02SW

- MIG / MAG processes:
 - MIG / MAG, Pulse-MIG, WISE options
 - Wire Ø 0,8 mm to Ø 1,6 mm
 - For Al, Fe, Ss and FCW / MCW
 - Gasless Flux Cored Wires
- Euro MIG gun connector
 - Service and Maintenance friendly solution
 - MIG gun model and size selection depending of used welding Power
- New way to synchronize wire feeders motors ➡
 - Minimizes friction in spiral / DL liner ➡ Stable wire feed ➡ weld quality ➡ less rework



SuperSnake GT02SW

- Water cooled GT02SW for high Power welding
- Recommended for high Power and high Duty cycle welding
 - Heavy duty/Pulsed Mig welding applications
 - High current FCW / MCW welding applications
- Allows welding 25m above the water cooler unit
- MIG gun remains 'wet' at height. FastCool prevents fluid drain back when switched off
 - Snap connectors for water hoses
 - Optional rubber 'boot' provides additional protection for water hoses
 - Wide range of Kemppi water cooled MIG guns



SuperSnake improve work ergonomics

- Less weight to carry compared to normal wire feeder
- Wire spool is in main wire feeder
- Ø 300mm steel spool weights 15 – 20 kg
 - Wire feeder weights appr 15 kg
- Weight for welder to carry is 30 – 35 kg
- Ø 200mm steel spool weights 5 kg
 - Wire feeder weights appr 10 kg
- Weight for welder to carry is 15 kg
- SuperSnake weights under 5 kg
 - Lightest weight for welder to carry
 - Improve work Safety & Ergonomics



SuperSnake improve work ergonomics



- SuperSnake is the lightweight solution for long range
- Push pull and spool guns are big and heavy to handle
 - Two hand operation is needed to keep heavier push gun steady
 - Normal MIG gun handle + 1,5 m gun cable length is 1,0 kg lighter
 - Less MIG gun weight improves occupational health and safety
- Push pull guns in "Difficult to reach" joints
- Welding needs more free space
- Alternative and different push pull gun neck alternatives are needed
- Spool guns size limits welders free mobility
- Spool guns offer very limited wire volume
- Higher consumable costs with Spool guns
- With SuperSnake over 3 times more distance
- Push pull gun length is limited to max 8,0/10 m
- SuperSnake reduces need to move equipment & gas cylinder



SuperSnake vs Push pull gun

- Push pull guns can be sensitive for:
 - Mechanical impact damage
 - Shielding gas and cooling liquid leakages
 - filler wire dust inside feeder cabin cover
 - Welding nozzle “hammering” to remove spatters from gas nozzle
 - Heat and humidity can damage push pull gun sensitive electronics
 - Sensitive electronic components are closer to the welding arc heat
 - Pneumatic push pull guns are sensitive for air leakages
 - Air flow out of push pull gun can disturb welding
 - Can cause weld defects like porosity (Aluminum)
 - Repair cost and spare parts are more expensive

Push pull gun has higher lifetime costs than SuperSnake.



SuperSnake Welding processes

- MIG / MAG processes with FastMIG™ Pulse
 - MIG (Basic MIG / MAG)
 - 1-MIG (Synergic MIG / MAG)
 - PULSE (Synergic Pulse-MIG)
 - DOUBLE PULSE (Synergic Double Pulse-MIG)
- WISE (Optional processes)
 - WISE Root
 - WISE Penetration
 - WISE Thin
 - WISE Fusion
- Optional MATCH functions
 - LOG
(MIG MINILOG function)



SuperSnake operates with MIG gun remote

- Optional MIG gun remote RMT 10
 - Fast and easy welding parameter set
 - One knob regulation
 - Improve welding Productivity & Quality
 - Always right welding parameters
 - All welders use same parameters
 - Optimized welding parameters according to WPS
 - For PMT and WeldSnake MIG guns
- Welding Power regulation
 - For all Synergic MIG / MAG processes
 - Arc length fine tuning \pm set in sub feeder
- Memory Channels with RMT10 (5 pcs)
 - Channel weld parameters set in main wire feeder
 - With FastMIG Pulse, 100 Memory alternatives are available



SuperSnake uses economical wire

- Welding wire € / kg price (Metal Cored Wire Ø 1,2 mm):
 - MCW / Ø 1,2 mm price in Ø 200mm / 5kg spool size is 3,77 € / kg
 - MCW / Ø 1,2 mm price in Ø 300mm / 15kg spool size is 3,05 € / kg
 - MCW / Ø 1,2 mm price in 250 kg bulk drum wire is 3,59 € / kg

(Note: All prices are local list and correct at time of publication)
- SuperSnake uses most economical welding wire
- SuperSnake operates with Ø 300mm spool size / wire feeder
- Less spool changes compared to Ø 200mm spool size
- SuperSnake allows also bulk drum wires use
- Highest Welding Productivity and Efficiency
- Lowest machine down time
- Lowest wire cost, saving ~20% compared to 5kg spool
- Savings also for the reason of decreased work / time of spool changes



SuperSnake Savings in wire cost

- Calculation of yearly savings 5kg vs 15kg wire spools
- MCW / Ø 1,2 mm price in Ø 200mm / 5 kg spool size is 3,77 € / kg
- MCW / Ø 1,2 mm price in Ø 300mm / 15 kg spool size is 3,05 € / kg
 - Deposition rate of filler material / welder is appr 10 – 20 kg / day
 - In some cases deposition rate is even bigger
- In calculation is used 15 kg / day weld deposition rate
 - Realistic kg / h MCW welding deposition rate
 - 15,0 kg : 8 h = 1,875 kg / h in average
- In calculation is used 220 working days / year
- In calculation is used one shift work
- Spool change work, 3 pcs of 5 kg spool / day is not noticed
- Filler material cost saving € / kg $\Rightarrow 3,77 - 3,05 = 0,72$ € / kg
- 220 days x 15 kg / day x 0,72 € / kg = 2 376 € / year / welder in one shift
- SuperSnake pay back time is appr only one year in one shift work



SuperSnake Compatibility

Operation with FastMIG™ Pulse

- Standard synchronization with MXF Sync 65. Part No:W004030

Operation with existing FastMIG™ KMS/SF Synergic

- SuperSnake will not operate with MSF wire feeders
- New Power source & panel programs may be needed
- Requires Synergic operation panel SF 53W
- Will operate together with MXF 65 wire feeder
- Fit Synchronization unit MXF Sync 65. Pt:W004030
- FastMIG™ Synergic does not provide Pulse-MIG or Double Pulse-MIG

On delivery SuperSnake is equipped for:

- Fe, Ss & FCW / MCW welding
 - Yellow steel spiral
 - For Ø 0,8 – 1,6 mm wires
 - V-groove feed rolls
 - Groove size for Fe / Ss Ø 1,2 mm wires



SuperSnake MIG guns

- PMT MIG guns

PMT 25	3,0 m	6252513
PMT 25	4,5 m	6252514
PMT 27	3,0 m	6252713
PMT 27	4,5 m	6252714
PMT 32	3,0 m	6253213
PMT 32	4,5 m	6253214
PMT 35	3,0 m	6253513
PMT 35	4,5 m	6263514
PMT 42	3,0 m	6254213
PMT 42	4,5 m	6254214
PMT 50	3,0 m	6255013
PMT 50	4,5 m	6255014
PMT 30W	3,0 m	6253043
PMT 30W	4,5 m	6253044
PMT 42W	3,0 m	6254203
PMT 42W	4,5 m	6254204
PMT 52W	3,0 m	6255203
PMT 52W	4,5 m	6255204

- WeldSnake MIG guns

WeldSnake 35	Al 1.2 mm	6,0 m	6253516A12
WeldSnake 35 Ss 1.0 mm	6,0 m	6253516S10	
WeldSnake 30W	Al 1.2-1.6 mm	6,0 m	6253046A12
WeldSnake 30W	Ss 1.0 mm	6,0 m	6253046S10
WeldSnake 30W	Ss 1.2 mm	6,0 m	6253046S12
WeldSnake 42W	Al 1.2-1.6 mm	6,0 m	6254206A12
WeldSnake 42W	Ss 1.0 mm	6,0 m	6254206S10
WeldSnake 42W	Ss 1.2 mm	6,0 m	6254206S12

- MMT MIG guns

- All MMT MIG gun models



Technical data

In all SuperSnake products

- Duty cycle
 - 380 A / 60%
 - 300 A / 100%
- Wire feed speed range
0 – 25 m / min
- Class of protection IP 23S
- Power cable cross
section 50 mm²
- Body length 554 mm
- Body width 94 mm
 - 102 mm in GT02S W
- Body height 125 mm
 - 138 mm in GT02S W

Weight

- SuperSnake GT02S 10m 3,5 kg
- SuperSnake GT02S 15m 20,5 kg
- SuperSnake GT02S 20m 27,5 kg
- SuperSnake GT02S 25m 34,5 kg
- SuperSnake GT02S W 10m 14,5 kg
- SuperSnake GT02S W 15m 22,0 kg
- SuperSnake GT02S W 20m 29,5 kg
- SuperSnake GT02S W 25m 37,0 kg



SuperSnake GT02S & SW

SuperSnake GT02 S and GT02 SW Sales products:

- There are 8 different SuperSnake sub feeder models
 - 4 different SuperSnake lengths for gas cooled welding (GC)
 - 4 different SuperSnake lengths for water cooled welding (WC)

SuperSnake GT02S 10m	6153100 (GC)
SuperSnake GT02S 15m	6153150 (GC)
SuperSnake GT02S 20m	6153200 (GC)
SuperSnake GT02S 25m	6153250 (GC)
SuperSnake GT02S W 10m	6154100 (WC)
SuperSnake GT02S W 15m	6154150 (WC)
SuperSnake GT02S W 20m	6154200 (WC)
SuperSnake GT02S W 25m	6154250 (WC)

