

INLINE WELDING





ø0,25" - ø1,5" ø6 - ø40 mm

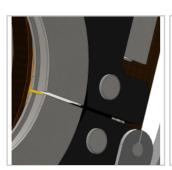




Technical Specifications

- Water-cooled head
- Dual-wing opening
- Clamping jaws stainless steel (1 kit per diameter)
- Rod specific to diameter
- Motor with coder: allows for rod start-up at all
- High protection against start-up without rod

Weight: 8.8 kg







Remote control keypad



Driven by AXXAIR power source (cf compatibility table)



Adjustable spring- loaded system: to account for tube out of round"

References	Accessories	Consumables
SATF-40ND	SAFS-210: Wire harness extension 10 M SMN40-XX Clamping jaws Ø in mm	SCE16-XX : Ø 1,6 mm SCE24-XX : Ø 2,4 mm



ø0,25" - ø2,5" ø6 - ø65 mm

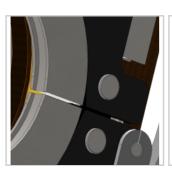




Technical Specifications

- Water-cooled head
- Dual-wing opening
- Clamping jaws stainless steel (1 kit per diameter)
- Rod specific to diameter
- Motor with coder: allows for rod start-up at all
- High protection against start-up without rod

Weight: 9.2 kg



Tool-free jaw fitting



Remote control keypad



Driven by AXXAIR power source (cf compatibility table)



Adjustable spring- loaded system: to account for tube out of round"

References	Accessories	Consumables
SATF-65ND	SAFS-210: Wire harness extension 10 M SMN65-XX Clamping jaws Ø in mm	SCE16-XX : Ø 1,6 mm SCE24-XX : Ø 2,4 mm



ø1" - ø4,5" ø25 - ø115 mm

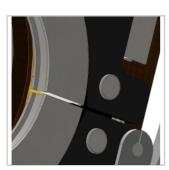


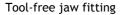


Technical Specifications

- Water-cooled head
- Dual-wing opening
- Clamping jaws stainless steel (1 kit per diameter)
- Rod specific to diameter
- Motor with coder: allows for rod start-up at all angles
- High protection against start-up without rod

Weight: 9.9 kg







Remote control keypad



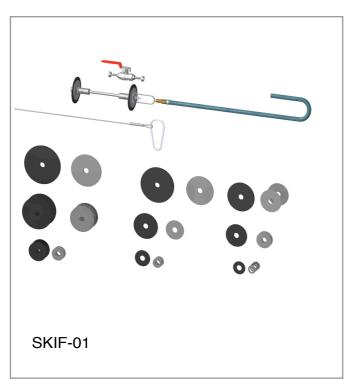
Driven by AXXAIR power source (cf compatibility table)



Adjustable spring- loaded system: to account for tube out of round"

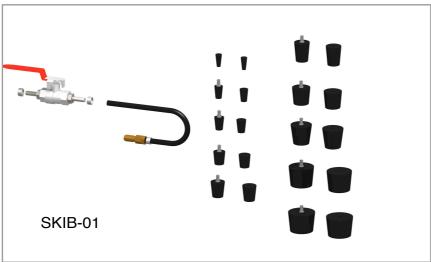
References	Accessories	Consumables
SATF-115ND	SAFS-210: Wire harness extension 10 M SMN115-XX Clamping jaws Ø in mm	SCE16-XX : Ø 1,6 mm SCE24-XX : Ø 2,4 mm











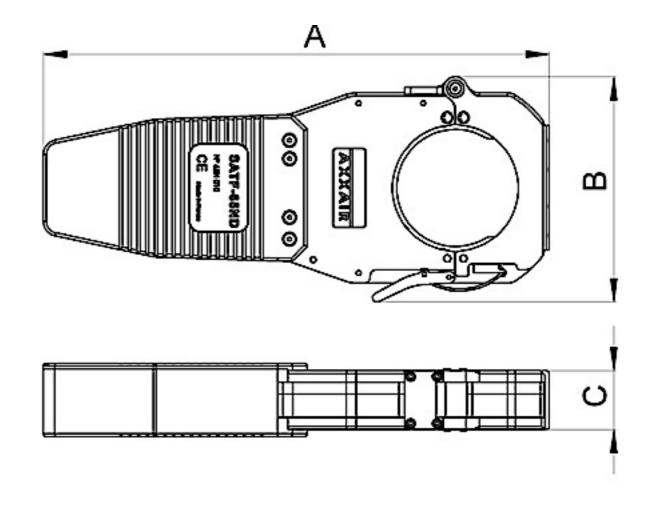


Accessories	Consumables	Options
SAFS-210: Wire harness extension 10 M SKIB-01: gas protection kit - plugs Ø 6 to 41 mm SKIF-01: gas protection kit - membranes Ø 40 to 120 mm	SMN40-XX Clamping jaws Ø in mm SMN65-XX Clamping jaws Ø in mm SMN115-XX Clamping jaws Ø in mm	SSED-16: offset rod support Ø 1.6 mm offset range 4 to 7.5 mm SSED-24: offset rod support Ø 1.6 mm offset range 4 to 7.5 mm





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	A mm	B mm	C mm	Ø min	Ø max	(1)	
SATF-40ND	316	124	40	6 mm	40 mm	8,8 kg	< 70 dB
SATF-65ND	346	154	40	6 mm	65 mm	9,2 kg	< 70 dB
SATF-115ND	401	218	40	25 mm	115 mm	9,9 kg	< 70 dB



ø0,4" - ø3" ø10 - ø80 mm





Technical Specifications

- Air-cooled head

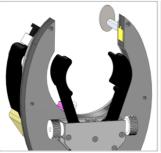
- Symmetrical pull-latch fastener clamping
- Motor with coder: allows for rod start-up at all angles and a large range of diameters
- Axial rod adjustment

Weight: 3 Kg (without harness)





Torch angle adjustment: welding under flange or short T angle



Quick diameter adjustment: Driven by AXXAIR power symmetrical encircling clamping



source (cf compatibility table)



Mechanical profile guide: constant arc voltage

References	Accessories	Consumables
SATO-80M	SKIB-01: gas protection kit - plugs Ø6 to 41 mm SKIF-01: gas protection kit - membranes Ø40 to 120 mm	SCE16-XX : Ø 1,6 mm SCE24-XX : Ø 2,4 mm



ø0,625" - ø4,5" ø19 - ø115 mm





Technical Specifications

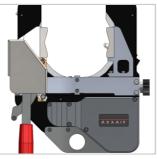
- Water-cooled head
- 200 A, 100%
- Clamping jaws stainless steel
- Motor with coder: allows for rod start-up at all angles and a wide range of diameters
- Axial adjusting screw

Weight: 7.5 kg





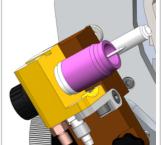
Torch angle adjustment: welding under flange or short T angle



Quick diameter adjustment: Driven by AXXAIR power powerful symmetrical clamping



source (cf compatibility table)



Mechanical profile guide: constant arc voltage

References	Accessories	Consumables
SATO-115NDA	SAFS-210: Wire harness extension 10 M Except with AVC/OSC/ WIRE SKIB-01: gas protection kit - plugs Ø6 to 41 mm SKIF-01: gas protection kit - membranes Ø40 to 120 mm SADFP-01: wire guide for open heads	SCE16-XX : Ø 1,6 mm SCE24-XX : Ø 2,4 mm



ø1" - ø6,625" ø25 - ø170 mm





Technical Specifications

Water-cooled head

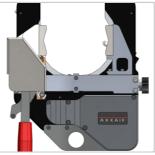
- 200 A, 100%
- Clamping jaws stainless steel
- Motor with coder: allows for rod start-up at all angles and a wide range of diameters
- Axial adjusting screw

Weight: 9 kg





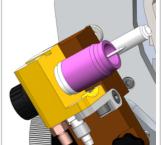
Torch angle adjustment: welding under flange or short T angle



Quick diameter adjustment: Driven by AXXAIR power powerful symmetrical clamping



source (cf compatibility table)



Mechanical profile guide: constant arc voltage

References	Accessories	Consumables
SATO-170NDA	SAFS-210: Wire harness extension 10 M Except with AVC/OSC/ WIRE SKIB-01: gas protection kit - plugs Ø6 to 41 mm SKIF-01: gas protection kit - membranes Ø40 to 120 mm SADFP-01: wire guide for open heads	SCE16-XX : Ø 1,6 mm SCE24-XX : Ø 2,4 mm



ø1,5" - ø8,625" ø38 - ø220 mm





Technical Specifications

•Water-cooled head

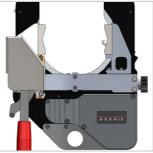
- 200 A, 100%
- Clamping jaws stainless steel
- Motor with coder: allows for rod start-up at all angles and a wide range of diameters
- Axial adjusting screw

Weight: 11 kg





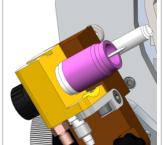
Torch angle adjustment: welding under flange or short T angle



Quick diameter adjustment: Driven by AXXAIR power powerful symmetrical clamping



source (cf compatibility table)

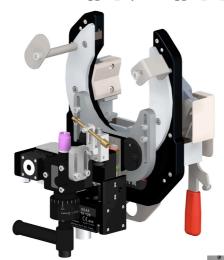


Mechanical profile guide: constant arc voltage

References	Accessories	Consumables
SATO-220NDA	SAFS-210: Wire harness extension 10 M Except with AVC/OSC/ WIRE SKIB-01: gas protection kit - plugs Ø6 to 41 mm SKIF-01: gas protection kit - membranes Ø40 to 120 mm SADFP-01: wire guide for open heads	SCE16-XX : Ø 1,6 mm SCE24-XX : Ø 2,4 mm



ø0,625" - ø4,5" ø19 - ø115 mm



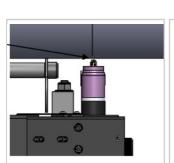


Technical Specifications

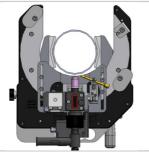
- Water cooled head

- 200A, 100%
- Thick tube multiple pass welding
- Fitted with AVC/OSC module
- Axes controlled by encoder
- Oscillation range: 20 mm
- AVC range: 20 mm
- Three-dimensional adjustment for welding wire
- Axial adjusting screw

Weight: 8,8 kg



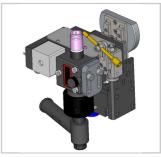
Oscillation range: 20 mm AVC range: 20 mm V max: 15mm/s



Quick diameter adjustment: symmetrical encircling clamping

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Driven by AXXAIR power source (cf compatibility table)

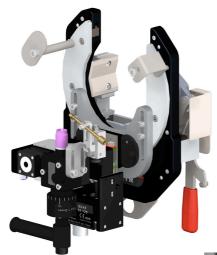


SAOF module compatible with prefab machines

References	Accessories	Consumables
SATO-115NAOA	SKIB-01: gas protection kit - plugs Ø6 to 41 mm SKIF-01: gas protection kit - membranes Ø40 to 120 mm	SCE16-XX : Ø 1,6 mm SCE24-XX : Ø 2,4 mm



ø1" - ø6,625" ø25 - ø170 mm





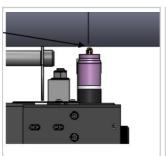
Technical Specifications

- Water cooled head

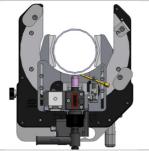
- 200A, 100%
- Thick tube multiple pass welding
- Fitted with AVC/OSC module
- Axes controlled by encoder
- Oscillation range: 20 mm
- AVC range: 20 mm
- Three-dimensional adjustment for welding wire
- Axial adjusting screw

Weight: 10 kg





Oscillation range: 20 mm AVC range: 20 mm V max: 15mm/s

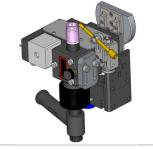


symmetrical encircling

Quick diameter adjustment: clamping



Driven by AXXAIR power source (cf compatibility table)



SAOF module compatible with prefab machines

References	Accessories	Consumables
SATO-170NAOA	SKIB-01: gas protection kit - plugs Ø6 to 41 mm SKIF-01: gas protection kit - membranes Ø40 to 120 mm	SCE16-XX : Ø 1,6 mm SCE24-XX : Ø 2,4 mm



ø1,5" to ø8,625" ø38 - ø220 mm





Technical Specifications

- Water cooled head

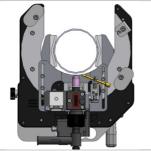
- 200A, 100%
- Thick tube multiple pass welding
- Fitted with AVC/OSC module
- Axes controlled by encoder
- Oscillation range: 20 mm
- AVC range: 20 mm
- Three-dimensional adjustment for welding wire
- Axial adjusting screw

Weight: 13 kg





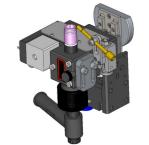
Oscillation range: 20 mm AVC range: 20 mm V max: 15mm/s



Quick diameter adjustment: symmetrical encircling clamping



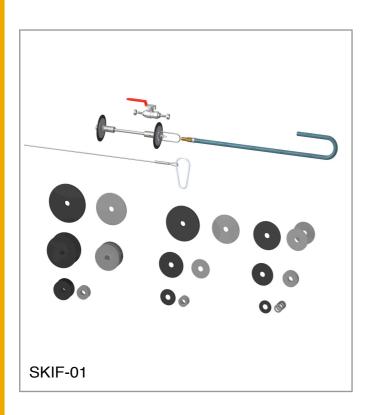
Driven by AXXAIR power source (cf compatibility table)



SAOF module compatible with prefab machines

References	Accessories	Consumables
SATO-220NAOA	SKIB-01: gas protection kit - plugs Ø6 to 41 mm SKIF-01: gas protection kit - membranes Ø40 to 120 mm	SCE16-XX : Ø 1,6 mm SCE24-XX : Ø 2,4 mm

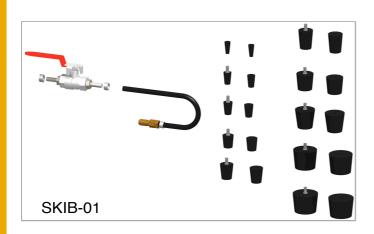


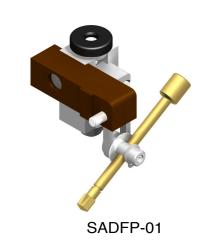






SADF2





Accessories

SKIB-01: gas protection kit - plugs Ø 6 to 41 mm

SKIF-01: gas protection kit - membranes \emptyset 40 to 120 mm

SAFS-210 : Wire harness extension 10 M Except with AVC/OSC/ WIRE

SKTO-03 : Exchange kit for open head torch diam 1.6 and 2.4mm

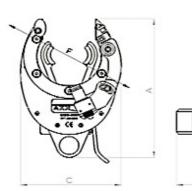
Options

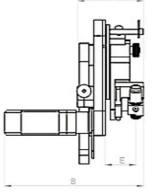
SADF-2: wire feeder for SC and SATO (without wire spool)

SADFP-01: wire guide for open heads

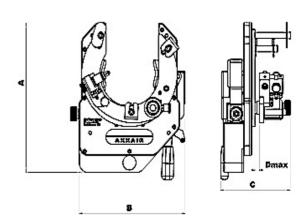








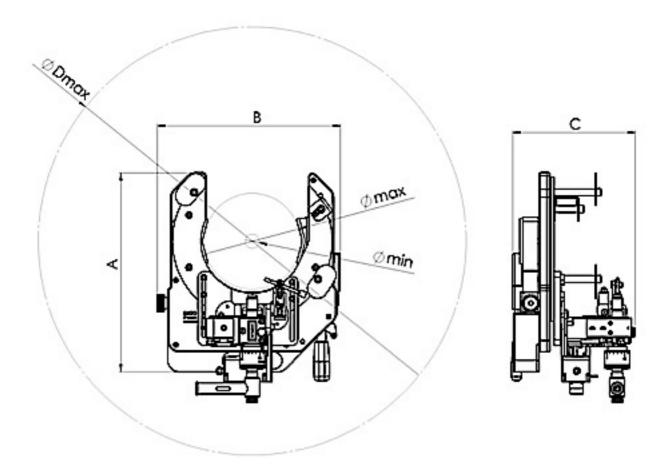
	A mm	B mm	C mm	D mm	E mm	F mm	Ø min	Ø max	•	
SATO - 80M	233	216	150	100	40 44	210	10 mm	80 mm	3 kg	<70dB



	A mm	B mm	C mm	D mm	Ø min	Ø max		
SATO-115NDA	309	262	160	10	19 mm	115 mm	7,5 kg	<70dB
SATO-170NDA	349	321	160	10	25 mm	170 mm	9 kg	<70dB
SATO-220NDA	390	350	184	10	38 Mm	220 mm	11 kg	<70dB







	A mm	B mm	C mm	Ø D max	Ø min	Ø max	(1)	
SATO - 115NAOA	309	262	194↔219	680 mm	19 mm	115 mm	8.8 kg	<70dB
SATO - 170NAOA	349	321	194↔219	750 mm	25 mm	170 mm	10 kg	<70dB
SATO- 220NAOA	389	350	219↔244	800 mm	38 mm	220 mm	13 kg	<70dB

