

JBC

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INSTRUCTION MANUAL



GSF

Guide Kits for SF280

This manual corresponds to the following references:

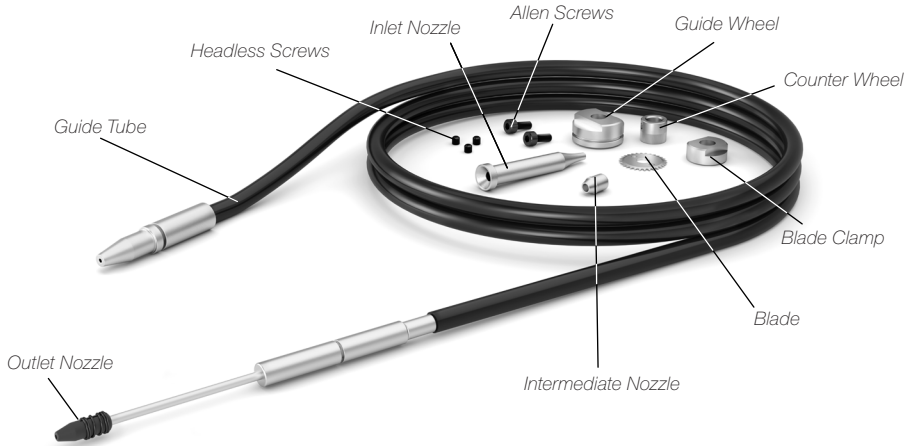
With Solder Wire Perforation:

- GSF08V-B** for wire Ø 0.8 mm / Ø 0.032 in
- GSF10V-B** for wire Ø 1.0 mm / Ø 0.040 in
- GSF12V-B** for wire Ø 1.2 mm / Ø 0.047 in
- GSF15V-B** for wire Ø 1.5 mm / Ø 0.059 in
- GSF16V-B** for wire Ø 1.6 mm / Ø 0.063 in

Without Solder Wire Perforation:

- GSF04D-B** for wire Ø 0.38 - 0.40 mm / Ø 0.015 - 0.016 in
- GSF05D-B** for wire Ø 0.46 - 0.56 mm / Ø 0.018 - 0.022 in
- GSF06D-B** for wire Ø 0.60 - 0.64 mm / Ø 0.023 - 0.025 in
- GSF07D-B** for wire Ø 0.70 - 0.78 mm / Ø 0.028 - 0.031 in
- GSF08D-B** for wire Ø 0.80 - 0.82 mm / Ø 0.032 - 0.033 in
- GSF10D-B** for wire Ø 0.90 - 1.10 mm / Ø 0.036 - 0.044 in
- GSF12D-B** for wire Ø 1.14 - 1.27 mm / Ø 0.045 - 0.051 in
- GSF15D-B** for wire Ø 1.50 - 1.57 mm / Ø 0.060 - 0.062 in
- GSF16D-B** for wire Ø 1.60 - 1.63 mm / Ø 0.063 - 0.065 in
- GSF18D-B** for wire Ø 1.80 mm / Ø 0.073 in

GSF Guide Kit for SF280 with Solder Wire Perforation



Packing List

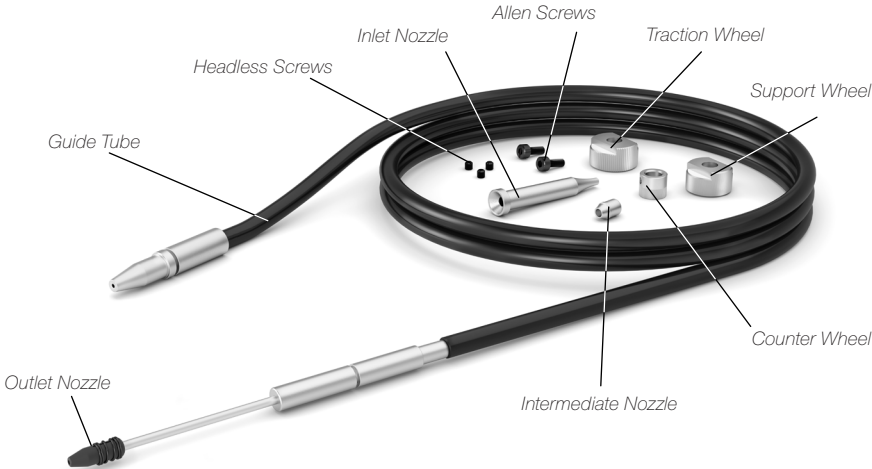
The following items are included:

Guide Tube*	1 unit	Allen Screws*	2 units
Inlet Nozzle*	1 unit	Headless Screws*	3 units
Guide Wheel*	1 unit		
Counter Wheel*	1 unit		
Blade Clamp*	1 unit		
Blade*	1 unit		
Intermediate Nozzle*	1 unit		
Outlet Nozzle*	1 unit	Manual	1 unit

*references see table on page 4



Ref. 0028099

GSF Guide Kit for SF280 without Solder Wire Perforation**Packing List**

The following items are included:

Guide Tube*	1 unit
Inlet Nozzle*	1 unit
Traction Wheel*	1 unit
Support Wheel*	1 unit
Counter Wheel*	1 unit
Intermediate Nozzle*	1 unit
Outlet Nozzle*	1 unit

Allen Screws*	2 units
Headless Screws*	3 units



Manual	1 unit
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Ref. 0028099

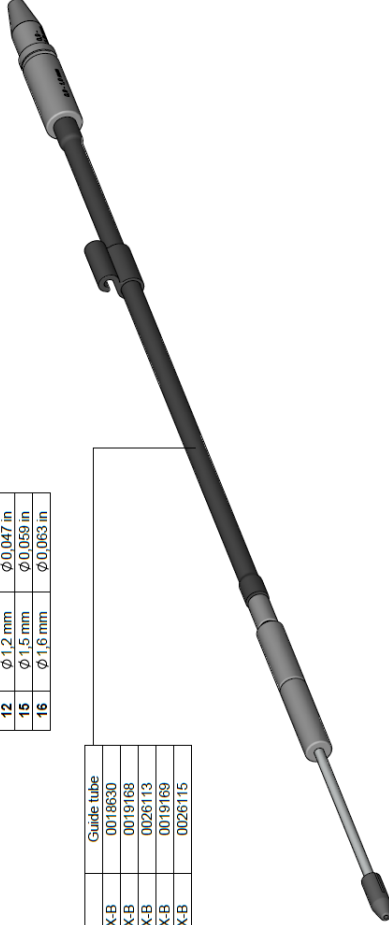
*references see table on page 5

GSF Guide Kit for SF280 with Solder Wire Perforation

GSFXV-B WITH SOLDER WIRE PERFORATION

XX	Wire diameter	
	Diameter of use	
08	∅0.8 mm	∅0.032 in
10	∅1.0 mm	∅0.040 in
12	∅1.2 mm	∅0.047 in
15	∅1.5 mm	∅0.059 in
16	∅1.6 mm	∅0.063 in

Guide tube
GSF08X-B 0018630
GSF10X-B 0019168
GSF12X-B 0026113
GSF15X-B 0019169
GSF16X-B 0026115



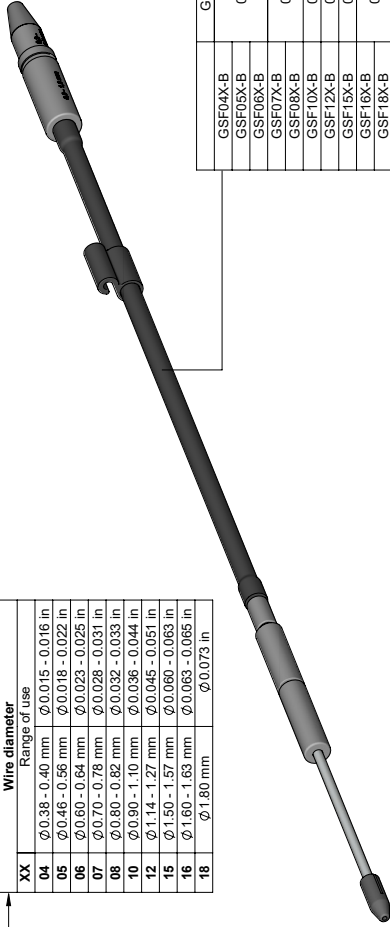
SPARE PARTS

Wire ∅	Outlet nozzle	Nozzle	Guide wheel	Blade	Blade clamp	Inlet nozzle	Intern. nozzle	Counter wheel	Screws	Threaded stud
GSF08V-B	0025270	0027158	0021696	0021555	0018638	0018632	0024955	0026693	0026695 (x2)	0026696 (x3)
GSF10V-B	0021560		0021699			0019170	0024956	0026694		
GSF12V-B	0025272		0023738			0019171	0024957			
GSF15V-B	0025274		0019696			0024958	0024959			
GSF16V-B	0025276		0025922			0024233				

GSF Guide Kit for SF280 without Solder Wire Perforation

GSFXXD-B WITHOUT SOLDER WIRE PERFORATION

XX	Wire diameter Range of use
04	Ø 0.38 - 0.40 mm Ø 0.015 - 0.016 in
05	Ø 0.46 - 0.56 mm Ø 0.018 - 0.022 in
06	Ø 0.60 - 0.64 mm Ø 0.023 - 0.025 in
07	Ø 0.70 - 0.76 mm Ø 0.028 - 0.031 in
08	Ø 0.80 - 0.82 mm Ø 0.032 - 0.033 in
10	Ø 0.90 - 1.10 mm Ø 0.036 - 0.044 in
12	Ø 1.14 - 1.27 mm Ø 0.045 - 0.051 in
15	Ø 1.50 - 1.57 mm Ø 0.060 - 0.063 in
16	Ø 1.60 - 1.63 mm Ø 0.063 - 0.065 in
18	Ø 1.80 mm Ø 0.073 in



Guide tube
GSF04X-B
GSF05X-B
GSF06X-B
GSF07X-B
GSF08X-B
GSF10X-B
GSF12X-B
GSF15X-B
GSF16X-B
GSF18X-B

SPARE PARTS	Outlet nozzle	Nozzle	Traction wheel	Support wheel	Inlet nozzle	Interm. nozzle	Counter wheel	Screws	Threaded stud
Wire Ø									
GSF04D-B	0025268			0020345					
GSF05D-B				0019519	0019520	0024954			
GSF06D-B	0022994					0025293	0028693 (Supplied with SF)		
GSF07D-B	0025269				0018632	0025291		0026695 (A2)	0026696 (A3)
GSF08D-B	0025270	0021158	0019479	0019480	0019170	0024955			
GSF10D-B	0021560					0024956			
GSF12D-B	0025272			0019481	0019171	0024957			
GSF15D-B	0025274				0024958				
GSF16D-B	0025276			0028367	0024233	0024959			
GSF18D-B	0021559			0028367	0024234	0024960	0028694		

Changing Guide Kits

Changing Wheels and Blade

For this operation, disconnect the device from the mains. Disconnect the tool from the control unit and open its cover.

Use the Allen key and the spanner, provided with the station. First disassemble the guide tube (6), the support and traction wheels, or the guide wheel, the blade and its clamp (4)+(5). Then, disassemble the nozzles (2)+(3). Disassemble the counter wheel (1).

Assembly with Solder Wire Perforation:

Assemble the counter wheel (1).

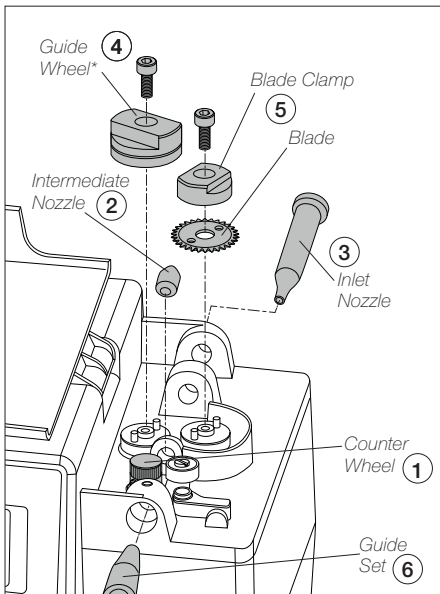
Insert the intermediate nozzle (2) until its collar rests against the housing and tighten the screw.

Assemble the inlet nozzle (3).

Assemble the guide wheel* (4) and tighten the screw.

Assemble the blade first, then mount the blade clamp (5) onto the same axis and tighten the screw. **Caution:** handle the blade carefully to avoid injury.

Insert the guide set (6).



Assembly without Solder Wire Perforation:

Assemble the counter wheel (1).

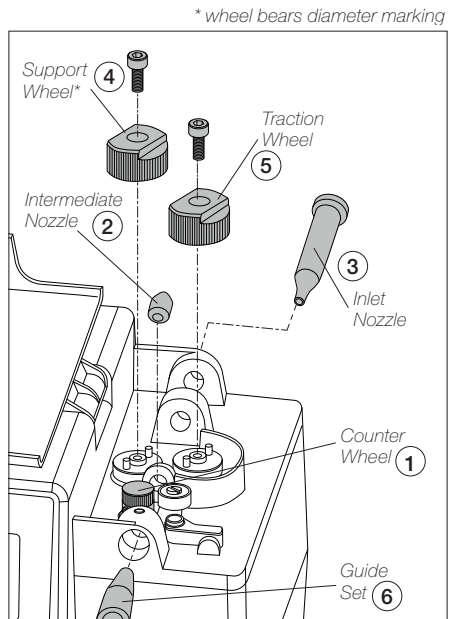
Insert the intermediate nozzle (2) until its collar rests against the housing and tighten the screw.

Assemble the inlet nozzle (3).

Assemble the support wheel* (4) onto the axis and tighten the screw.

Assemble the traction wheel (5) and tighten the screw.

Insert the guide set (6).



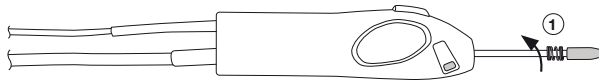
Outlet Nozzle Replacement

Flux can cause clogging at the outlet nozzle of the guide tube set and it can be necessary to replace the worn or clogged outlet nozzle.

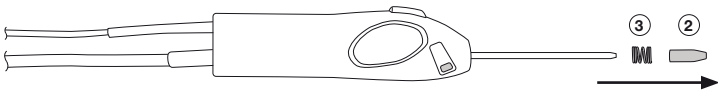
Note: There is a nozzle size for each soldering wire diameter. The use of the nozzle is necessary as its inner diameter is adjusted to the solder wire diameter and guides the wire with greater precision.

To replace the outlet nozzle, follow these steps:

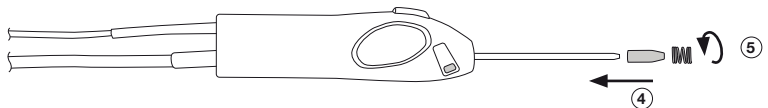
First, unload any remaining solder wire that might still be inside the guide tube (see page 9) and then unplug the tool. Unscrew the spring inwards (2), following the downward direction of the spring.



Once the outlet nozzle is released from the spring, pull the outlet nozzle out (2) and then remove the spring (3).

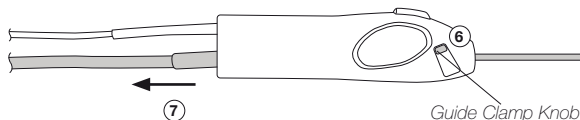


Place the new outlet nozzle onto the guide tube set (4) and then screw back the spring onto it to fix the outlet nozzle onto the guide tube (5).



Guide Tube Replacement

To replace the guide tube, follow the outlet replacement steps until reaching no. 3. Once both the outlet nozzle and the spring are removed, open the guide clamp knob (6) and remove the guide tube (7).



Insert the new guide tube into the tool, close the guide clamp knob to fix it in place and follow steps 4 and 5 to fix the outlet nozzle.

Enter "Tool Settings" at the SF control unit main menu and select the proper wire diameter to complete the process.

Main Menu

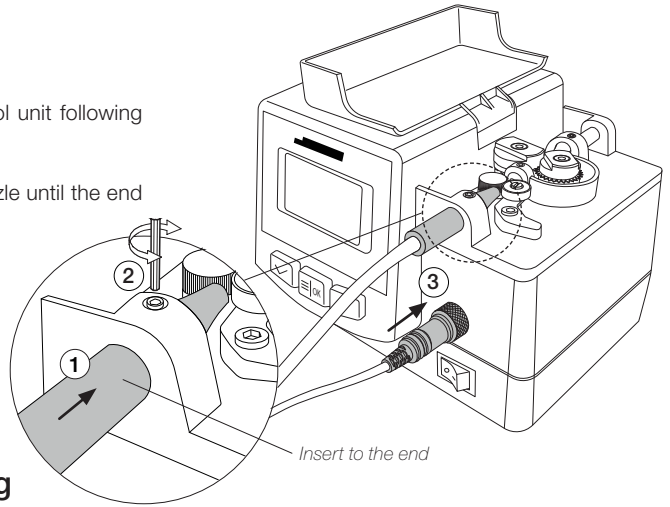
- 1 Reset settings
- 2 Station settings
- 3 **Tool settings**
- 4 Programs Settings

Tool Assembly

Connect the tool to the control unit following this steps:

Insert and push the guide nozzle until the end (1) and tighten the screw (2).

Connect the jack (3).

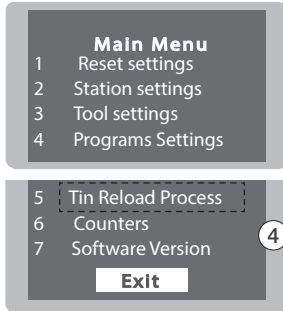



Solder Wire Loading

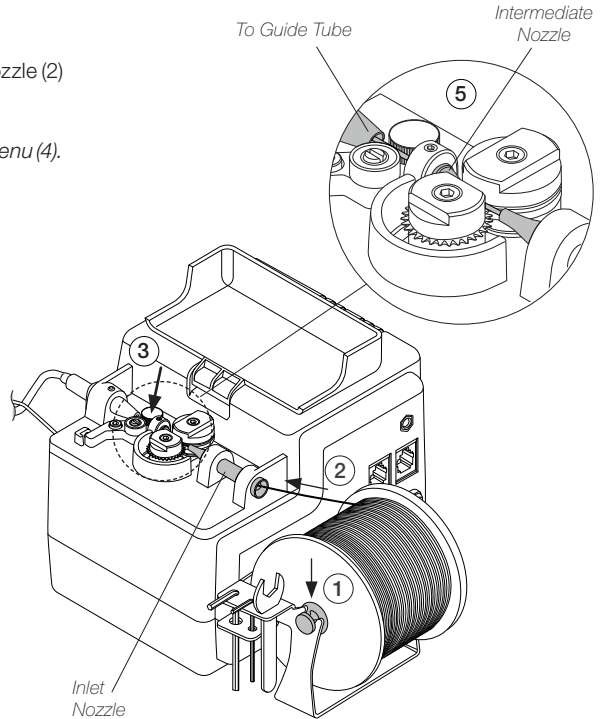
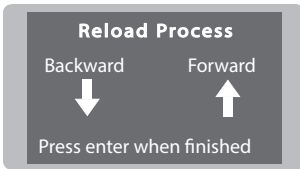
Put the solder reel into its support (1).

Introduce the solder wire into the inlet nozzle (2) until it reaches the wheels (3).

Use the *Tin Reload Process* in the *Main Menu* (4).



The Reload Process screen opens. Press  to start the process.



Make sure the wire passes through the Intermediate Nozzle and enters into the Guide Tube (5).

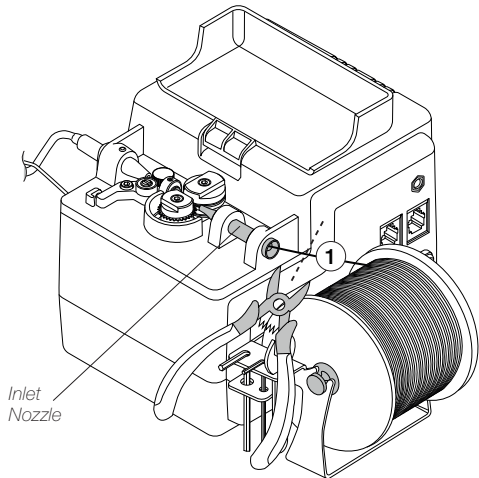
Solder-Wire Unloading

With Solder Wire Perforation

To unload solder wire with perforation that has already passed through the guide tube, cut the wire between the solder reel and the inlet nozzle (1).

To extract the wire out of the tube, hold the tool on your hand and press until the wire stops moving forward.

Grasp the wire coming out of the outlet nozzle with a pliers and pull from it until it is completely out.



With Solder Wire Perforation

When using a guide kit without solder wire perforation, press until the wire is completely wound on the solder reel to unload the solder wire. It is best to rotate the reel by hand as the wire is being pulled back in order to keep it neatly arranged on the reel.

Or, if preferred, proceed as described before for perforated solder wire unloading.

Specifications

GSF

Guide Kits for SF280

With Perforation:

Ref.: **GSF08V-B** wire \varnothing 0.8 mm / \varnothing 0.032 in
 Ref.: **GSF10V-B** wire \varnothing 1.0 mm / \varnothing 0.040 in
 Ref.: **GSF12V-B** wire \varnothing 1.2 mm / \varnothing 0.047 in
 Ref.: **GSF15V-B** wire \varnothing 1.5 mm / \varnothing 0.059 in
 Ref.: **GSF16V-B** wire \varnothing 1.6 mm / \varnothing 0.063 in

Total Net Weight: Package Weight:

108 g / 0.24 lb	200 g / 0.44 lb
108 g / 0.24 lb	200 g / 0.44 lb
94 g / 0.21 lb	186 g / 0.41 lb
94 g / 0.21 lb	186 g / 0.41 lb
94 g / 0.21 lb	186 g / 0.41 lb

Without Perforation:

GSF04D-B for wire \varnothing 0.38 - 0.40 mm / \varnothing 0.015 - 0.016 in
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GSF16D-B for wire \varnothing 1.60 - 1.63 mm / \varnothing 0.063 - 0.065 in
GSF18D-B for wire \varnothing 1.80 mm / \varnothing 0.073 in

104 g / 0.23 lb	196 g / 0.43 lb
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104 g / 0.23 lb	196 g / 0.43 lb
104 g / 0.23 lb	196 g / 0.43 lb
90 g / 0.20 lb	182 g / 0.40 lb
90 g / 0.20 lb	182 g / 0.40 lb
90 g / 0.20 lb	182 g / 0.40 lb
90 g / 0.20 lb	182 g / 0.40 lb

- Guide Tube Length: 126 cm / 49.6 in

- Package Dimensions: 245 x 185 x 45 mm
 (L x W x H) 9.65 x 7.28 x 1.77 in

Complies with CE standards.
 ESD safe

JBC

Warranty

JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labour.

Warranty does not cover product wear or misuse.

In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.



This product should not be thrown in the garbage.

In accordance with the European directive 2012/19/EU, electronic equipment at the end of its life must be collected and returned to an authorized recycling facility.



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