

JBC

www.jbctools.com

INSTRUCTION MANUAL



GALE

Guide Kits for ALE250

This manual corresponds to the following references:

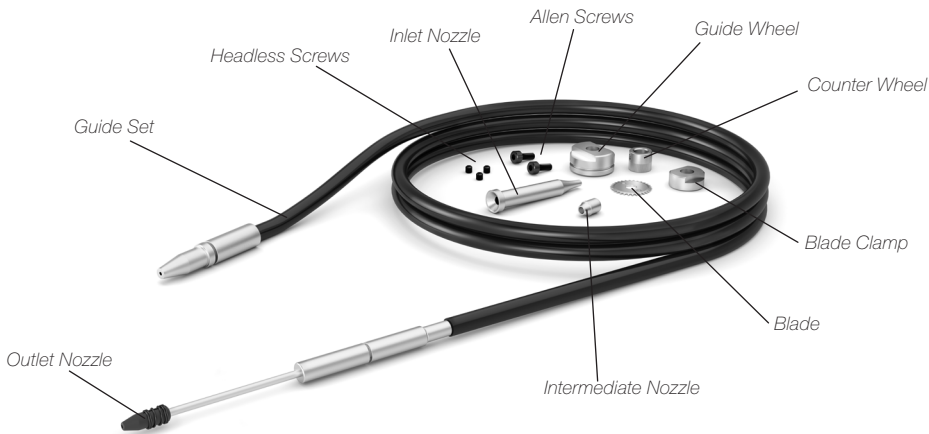
With Solder Wire Perforation:

GALE08V-A for wire Ø 0.8 mm / Ø 0.032 in
GALE10V-A for wire Ø 1.0 mm / Ø 0.040 in
GALE12V-A for wire Ø 1.2 mm / Ø 0.047 in
GALE15V-A for wire Ø 1.5 mm / Ø 0.059 in
GALE16V-A for wire Ø 1.6 mm / Ø 0.063 in

Without Solder Wire Perforation:

GALE04D-A for wire Ø 0.38 - 0.4 mm / Ø 0.015 - 0.016 in
GALE05D-A for wire Ø 0.46 - 0.56 mm / Ø 0.018 - 0.022 in
GALE06D-A for wire Ø 0.60 - 0.64 mm / Ø 0.023 - 0.025 in
GALE07D-A for wire Ø 0.70 - 0.78 mm / Ø 0.028 - 0.031 in
GALE08D-A for wire Ø 0.80 - 0.82 mm / Ø 0.032 - 0.033 in
GALE10D-A for wire Ø 0.90 - 1.10 mm / Ø 0.036 - 0.044 in
GALE12D-A for wire Ø 1.14 - 1.27 mm / Ø 0.045 - 0.051 in
GALE15D-A for wire Ø 1.50 - 1.57 mm / Ø 0.060 - 0.063 in
GALE16D-A for wire Ø 1.60 - 1.63 mm / Ø 0.063 - 0.065 in
GALE18D-A for wire Ø 1.8 mm / Ø 0.073 in

GALE Guide Kits for ALE250 with Solder Wire Perforation



Packing List

The following items are included:

Guide Set*	1 unit
Inlet Nozzle*	1 unit
Guide Wheel*	1 unit
Counter Wheel*	1 unit
Blade Clamp*	1 unit
Blade*	1 unit
Intermediate Nozzle*	1 unit
Outlet Nozzle*	1 unit

Allen Screws*	2 units
Headless Screws*	3 units

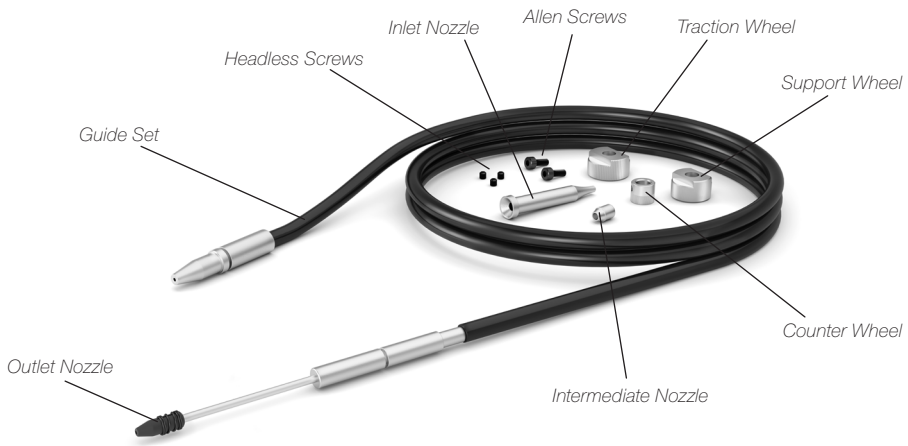


Manual	1 unit
--------	--------

Ref. 0028365

*see reference table on page 4

GALE Guide Kits for ALE250 without Solder Wire Perforation



Packing List

The following items are included:

Guide Set*	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
---------------------	--------

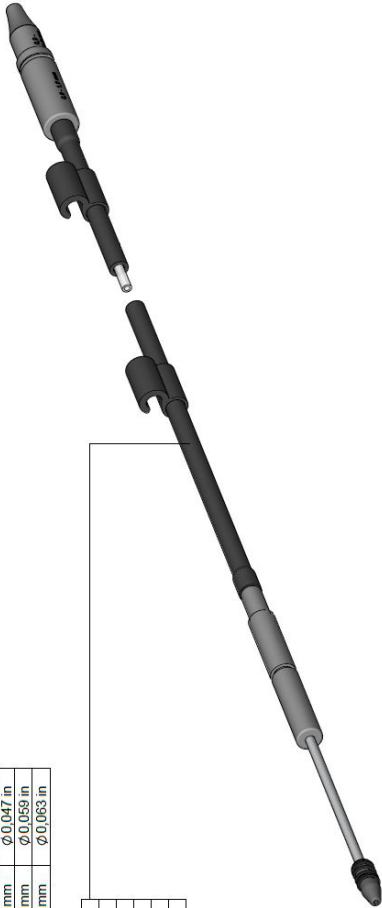
Ref. 0028365

*see reference table on page 5

GALEXV-A WITH SOLDER WIRE PERFORATION

Wire diameter	
XX	Diameter of use
08	Ø 0,8 mm Ø 0,032 in
10	Ø 1,0 mm Ø 0,040 in
12	Ø 1,2 mm Ø 0,047 in
15	Ø 1,5 mm Ø 0,059 in
16	Ø 1,6 mm Ø 0,063 in

Guide tube	
GALE08V-A	0028358
GALE10V-A	0028359
GALE12V-A	0028360
GALE15V-A	0028361
GALE16V-A	0028363



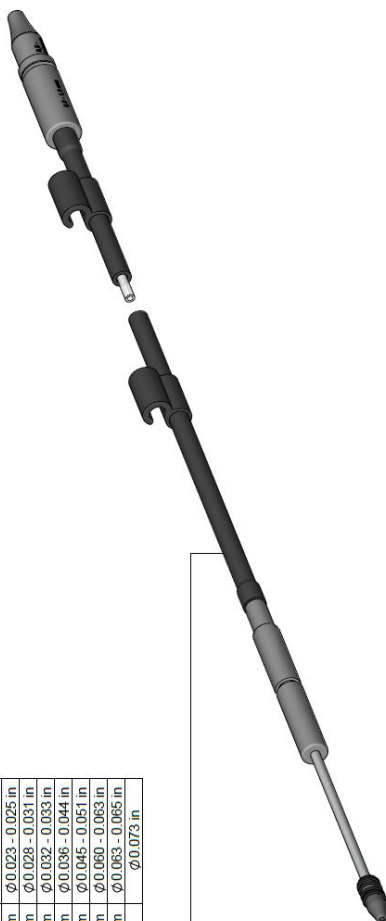
SPARE PARTS

Wire Ø	Outlet nozzle	Nozzle	Guide wheel	Blade	Blade clamp	Inlet nozzle	Intern. nozzle	Counter wheel	Screws	Threaded stud	Nozzle grip spring
GALE08V-A		 0021158	0021686	 0021555	 0018638	 0018632 0019170 0019171 0024233	 0024955 0024956 0024957 0024958 0024959	 0028683 (Supplied with ALE) 0028694	 0028685 (x2)	 0028686 (x2)	 0030549
GALE10V-A	0025270		0021689								
GALE12V-A	0021560		0023738								
GALE15V-A	0025272		0019696								
GALE16V-A	0025274	0025276	0025822	0021555	0018638	0019171	0024958	0028694	0028685 (x2)	0028686 (x2)	0030549
GALE16V-A	0025276										

GALEXXD-A WITHOUT SOLDER WIRE PERFORMANCE

Wire diameter	
XX	Range of use
04	Ø0.38 - 0.40 mm Ø0.015 - 0.016 in
05	Ø0.46 - 0.56 mm Ø0.018 - 0.022 in
06	Ø0.60 - 0.64 mm Ø0.023 - 0.025 in
07	Ø0.70 - 0.78 mm Ø0.028 - 0.031 in
08	Ø0.80 - 0.82 mm Ø0.032 - 0.033 in
10	Ø0.80 - 1.10 mm Ø0.036 - 0.044 in
12	Ø1.14 - 1.27 mm Ø0.045 - 0.051 in
15	Ø1.50 - 1.57 mm Ø0.060 - 0.063 in
16	Ø1.60 - 1.63 mm Ø0.063 - 0.065 in
18	Ø1.80 mm Ø0.073 in

Guide tube	
GALE04D-A	0028358
GALE05D-A	
GALE06D-A	
GALE07D-A	0028359
GALE08D-A	
GALE10D-A	
GALE12D-A	0028360
GALE15D-A	
GALE16D-A	
GALE18D-A	0028363
GALE18D-A	0028433



SPARE PARTS

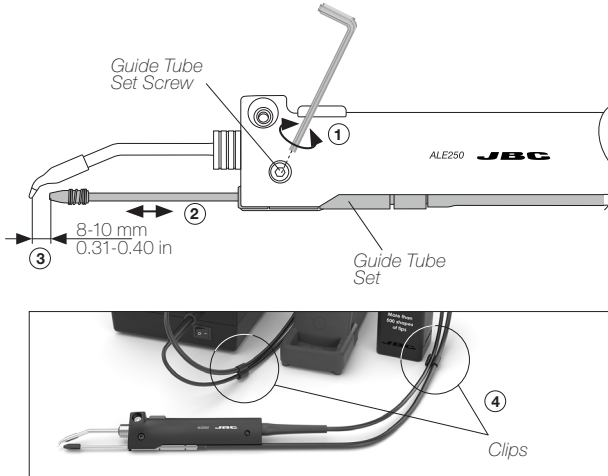
Wire Ø	Outlet nozzle	Nozzle	Traction wheel	Support wheel	Inlet nozzle	Interm. nozzle	Counter wheel	Screws	Threaded stud	Nozzle grip spring
GALE04D-A	0025268	0021158	0019479	0020345	0019520	0024954	0026683	0026695 (x2)	0026696 (x3)	0030549
GALE05D-A				0019519		0025293				
GALE06D-A				0019480	0018632	0025291				
GALE07D-A					0019170	0024955				
GALE08D-A				0019481	0024233	0024957				
GALE10D-A						0024958				
GALE12D-A						0024959				
GALE15D-A						0024960				
GALE16D-A	0025276			0028367	0024234		0026694			
GALE18D-A	0021559									

Guide Tube Set Assembly

Open the guide tube set screw (1) and insert the guide tube set.

Adjust the guide tube length (2). Leave a gap of 8 to 10 mm (0.31 to 0.39 in) between the tip and the outlet nozzle (3). Once the position is adjusted tighten the guide tube set screw (1).

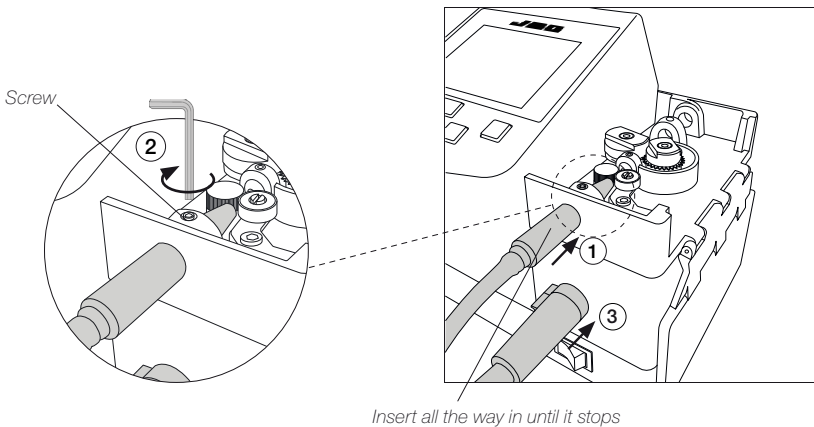
For a better handling use the clips (4) to attach the guide tube to the tool cable.



Tool Assembly

Connect the tool to the control unit following these steps:

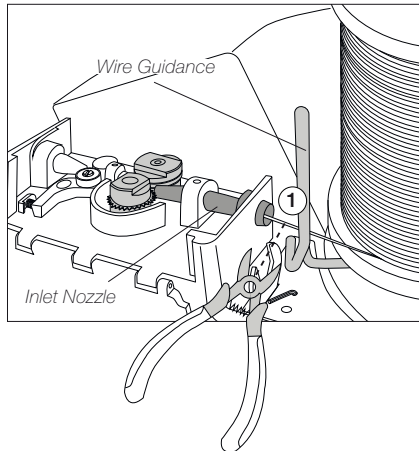
Loosen the set screw, insert and push the guide nozzle until it stops (1) and tighten the set screw (2) again. Then plug in the tool connector (3).



Solder Wire Unloading

With Solder Wire Perforation

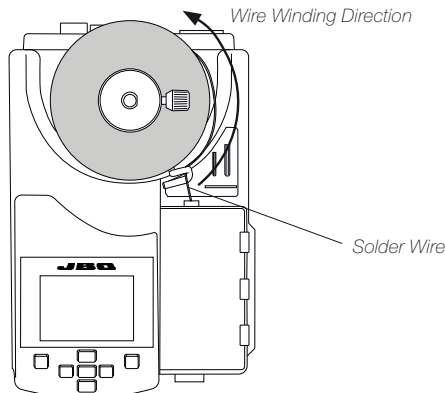
To unload solder wire with perforation that has already passed through the guide tube, cut the wire between the wire guidance and the inlet nozzle (1). To extract the wire out of the tube, hold the tool on your hand and press  until the wire stops moving forward. Grasp the wire coming out of the outlet nozzle with a pliers and pull from it until it is completely out.



Without Solder Wire Perforation

When using a kit without solder wire perforation, press  until the wire is completely wound 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.



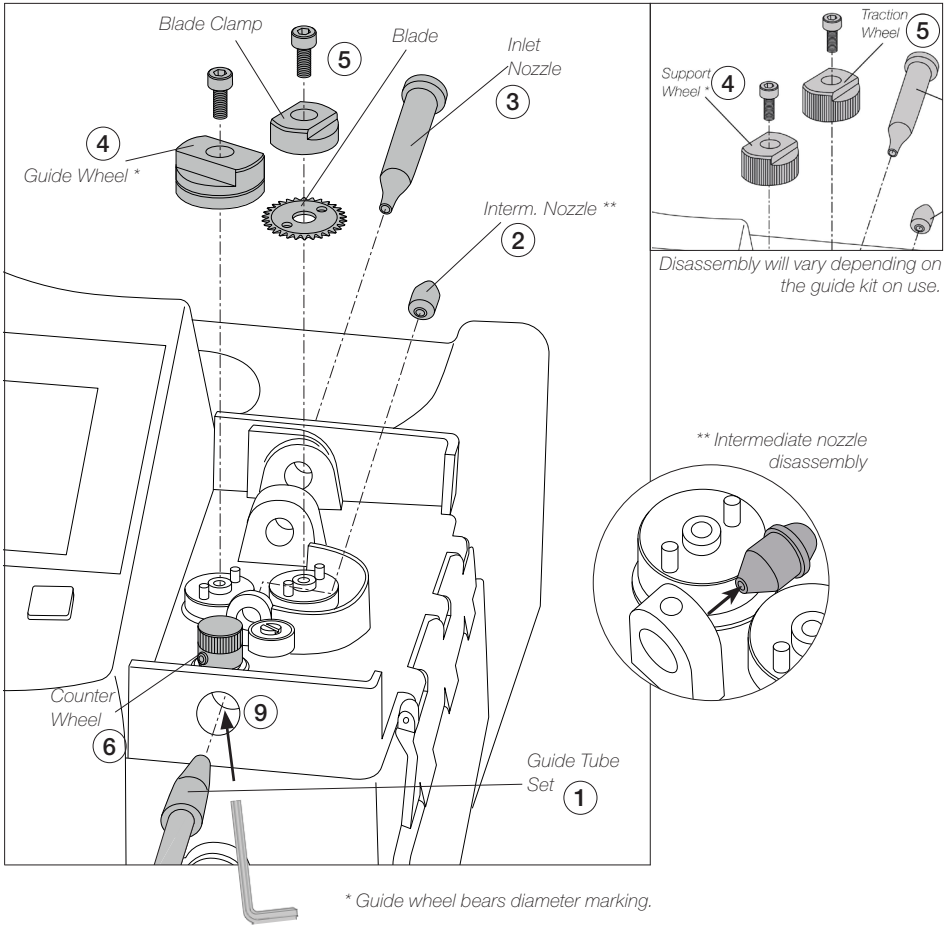
Changing Guide Kits

Disassembly

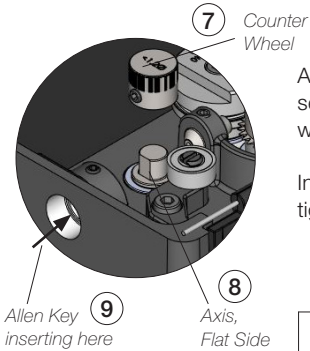
For this operation, disconnect the device from the mains. Unload any solder wire running inside the guide tube, disconnect the tool from the control unit and open its cover.

Before trying to remove any components from the device, be sure to loosen the corresponding set screws. To do this, use the Allen key and spanner provided with the station. First disassemble the guide tube set (1), the guide wheel, blade and blade clamp or the support and traction wheels (4) + (5), and then the nozzles (2) + (3). Lastly, disassemble the counter wheel (6). Introducing the Allen key through the frontal opening (9) will make it easier to loosen the screw of the counter wheel.

Note: The assembly steps are slightly different for devices with or without solder wire perforation.



Assembly with Solder Wire Perforation:



Assemble the counter wheel (7). Make sure that its thread entry for the set screw is aligned with the flat side of the axis (8). If not, the set screw will protrude, which may cause difficulties for the wire transportation.

Inserting the Allen key through the front opening will make it easier to tighten the screw (9).

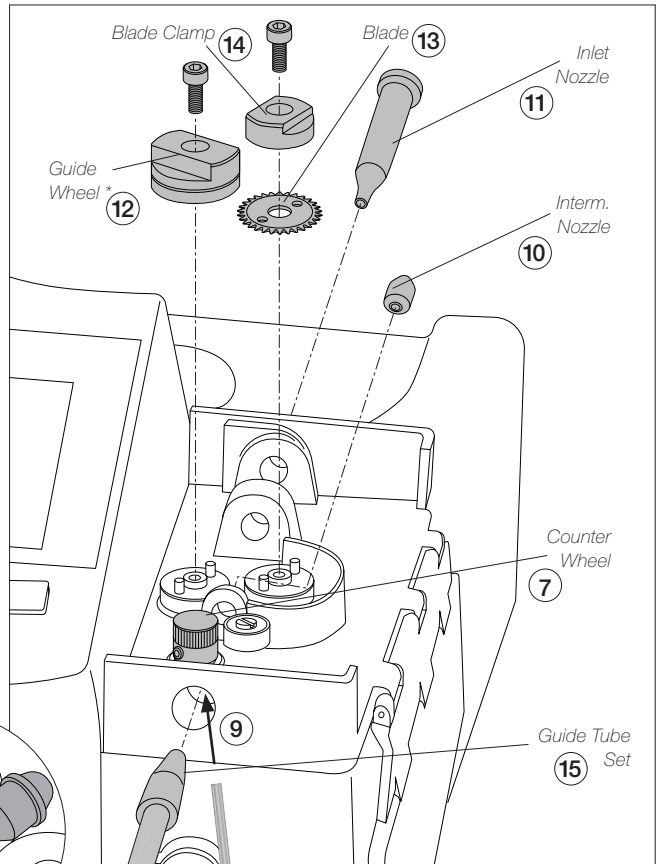
Insert the intermediate nozzle (10) until its collar rests against the housing and tighten its screw.

Assemble the inlet nozzle (11).

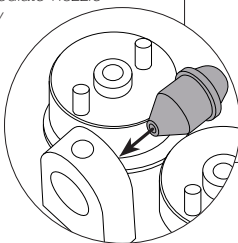
Assemble the guide wheel* (12) and tighten the screw.

Assemble the blade first (13), then mount the blade clamp (14) onto the same axis and tighten the screw. **Caution:** handle the blade carefully to avoid injury.

Finally insert the guide tube set (15).



** intermediate nozzle assembly



* Guide wheel bears diameter marking.

Assembly without Solder Wire Perforation:

Assemble the counter wheel in the same way as shown on the previous page (7), (8) and (9).

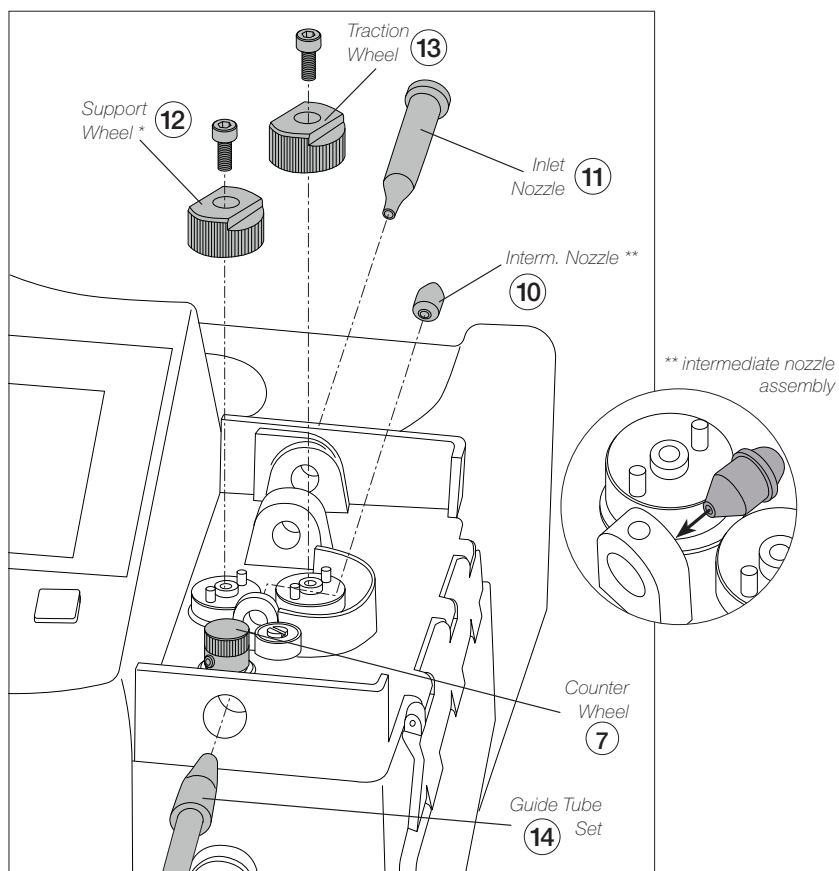
Insert the intermediate nozzle (10) until its collar rests against the housing and tighten its screw.

Assemble the inlet nozzle (11).

Assemble the support wheel* (12) onto the axis and tighten the screw.

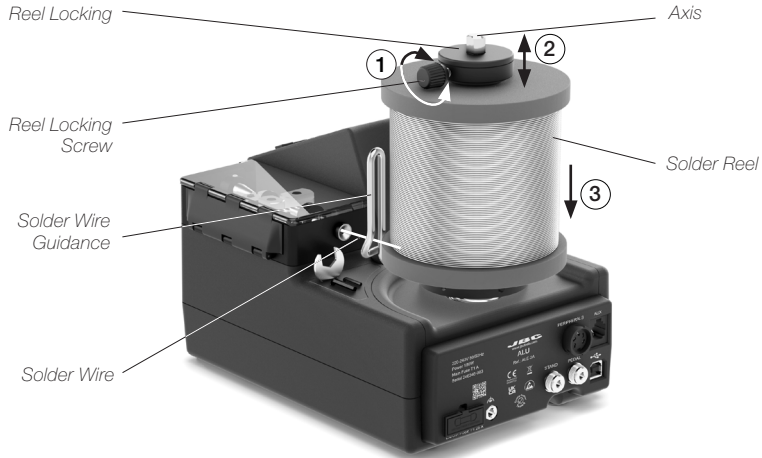
Assemble the traction wheel (13) onto the axis and tighten the screw.

Finally insert the guide tube set (14) and tighten the screw.



* Support wheel bears diameter marking.

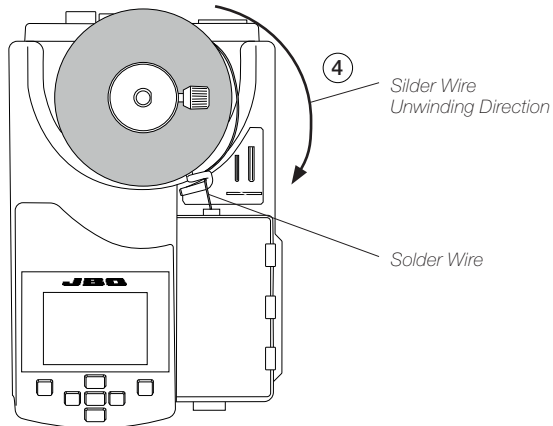
Solder Reel Assembly



Loosen the reel locking screw (1) and remove the reel locking (2) from the axis.

Assemble the solder reel onto the axis (3).

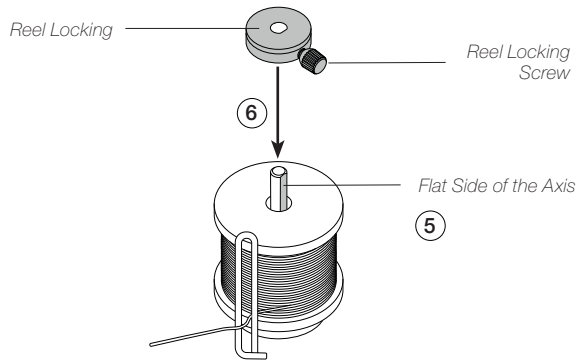
 Insert the solder reel in such a way - when viewed from above - that the solder wire unwinds on the dispensing mechanism side (4).



To assemble the reel locking, its conical side must be pointing downwards.

Align the flat side of the axis (5) with the inner flat side (the one with the screw) of the reel locking and reassemble it to the axis (6).

Note: To prevent the solder reel from spinning freely or binding, before tightening the reel locking screw gently press the reel locking down, but only enough to have the solder reel secured in place.



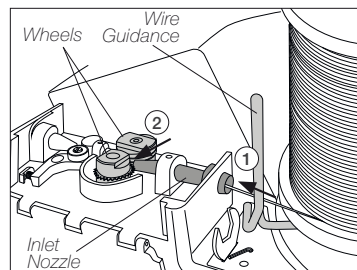
Main Menu Screen

Access to Main Menu by pressing , select "Feeder settings" (1) and then "Wire diameter" (2) to adjust the value to the current solder wire diameter.

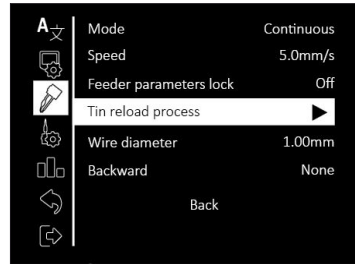


Solder Wire Loading

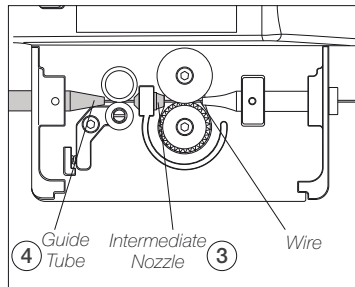
Pass the solder wire through the wire guidance and introduce the solder wire into the inlet nozzle (1) until it reaches the wheels (2).



Select "*Tin reload process*" and then use  to feed the solder wire and advance until it comes out of the outlet nozzle. If needed, carefully push the wire until it gets locked in between the rotating wheels for the wire to start moving forward. Keep  pressed and after a while, the wire will advance faster.



Make sure the wire passes through the intermediate nozzle (3) and enters the guide tube (4).



Replacing Guide Sets

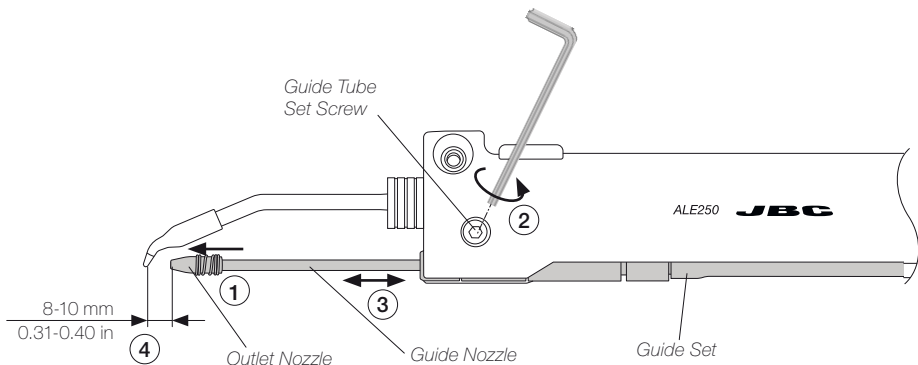
Once the tool is disconnected from the control unit and has cooled down, follow these instructions:

Unload the solder wire and disassemble the outlet nozzle (1) from the guide set.

Loosen the guide tube set screw (2), take out the guide set (3) and insert the desired one.

Put the outlet nozzle (1) back on the new cartridge. Leave a gap of 8 to 10 mm (0.31 to 0.39 in) between the cartridge tip and the outlet nozzle (4).

Once the guide nozzle length is adjusted tighten the guide set screw (2).



Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Specifications

GALE

Guide Kits for ALE250

With Perforation:

Ref.: **GALE08V-A** wire Ø 0.8 mm / Ø 0.032 in
 Ref.: **GALE10V-A** wire Ø 1.0 mm / Ø 0.040 in
 Ref.: **GALE12V-A** wire Ø 1.2 mm / Ø 0.047 in
 Ref.: **GALE15V-A** wire Ø 1.5 mm / Ø 0.059 in
 Ref.: **GALE16V-A** wire Ø 1.6 mm / Ø 0.063 in

Total Net Weight:

108 g / 0.24 lb
 108 g / 0.24 lb
 94 g / 0.21 lb
 94 g / 0.21 lb
 94 g / 0.21 lb

Package Weight:

200 g / 0.44 lb
 200 g / 0.44 lb
 186 g / 0.41 lb
 186 g / 0.41 lb
 186 g / 0.41 lb

Without Perforation:

GALE04D-A for wire Ø 0.38 - 0.4 mm / Ø 0.015 - 0.016 in
GALE05D-A for wire Ø 0.46 - 0.56 mm / Ø 0.018 - 0.022 in
GALE06D-A for wire Ø 0.60 - 0.64 mm / Ø 0.023 - 0.025 in
GALE07D-A for wire Ø 0.70 - 0.78 mm / Ø 0.028 - 0.031 in
GALE08D-A for wire Ø 0.80 - 0.82 mm / Ø 0.032 - 0.033 in
GALE10D-A for wire Ø 0.90 - 1.10 mm / Ø 0.036 - 0.044 in
GALE12D-A for wire Ø 1.14 - 1.27 mm / Ø 0.045 - 0.051 in
GALE15D-A for wire Ø 1.50 - 1.57 mm / Ø 0.060 - 0.063 in
GALE16D-A for wire Ø 1.60 - 1.63 mm / Ø 0.063 - 0.065 in
GALE18D-A for wire Ø 1.8 mm / Ø 0.073 in

104 g / 0.23 lb
 104 g / 0.23 lb
 104 g / 0.23 lb
 104 g / 0.23 lb
 104 g / 0.23 lb
 90 g / 0.20 lb
 90 g / 0.20 lb
 90 g / 0.20 lb
 90 g / 0.20 lb
 90 g / 0.20 lb

196 g / 0.43 lb
 196 g / 0.43 lb
 196 g / 0.43 lb
 196 g / 0.43 lb
 196 g / 0.43 lb
 182 g / 0.40 lb
 182 g / 0.40 lb
 182 g / 0.40 lb
 182 g / 0.40 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.



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.

Get 1 extra year JBC warranty by registering here:

**<https://www.jbctools.com/productregistration/>
within 30 days of purchase.**



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.



www.jbctools.com