



H K Wentworth Group

Distributed and Supported in the UK, IE, AU & NZ

Packing List:



FR-301-22 Desoldering Tool with N61-08 Nozzle British Power Lead + Instruction manual



Carry Case



Ceramic paper filter (2 pcs.) (A5044)



Pre-Filter (B5104)



Iron Holder (B5003)



Nozzle Wrench



Cleaning Pin for Heating Core (B1085)



Cleaning Pin for Nozzle Φ 1mm (B1087)

Specifications:

FR-301 DeSoldering Gun

| | |
|-----------------------------|-----------------------------------------------------------------|
| Power consumption | 230V 110W (50/60Hz) |
| Temperature range | 350 to 500°C |
| Nozzle to ground resistance | <2 Ω |
| Nozzle to ground potential | <2mV |
| Vacuum generator | Diaphragm pump |
| Vacuum pressure | 81kPa (610mmHg) |
| Suction flow | 11L/min. |
| Heating element | Ceramic heater |
| Standard nozzle | Φ 1mm (No.N61-08) |
| Dimensions | 215(W) \times 226(H) mm (with Φ 1 mm (No.N61-08) nozzle) |
| Weight | 0.52kg (with Φ 1 mm (No.N61-08) nozzle) |

* Total length and weight (w/o cord)

Nozzles:

The FR-301 requires the quick change N61 Series desoldering nozzles which are available in a range of sizes. The FR-301 comes supplied with the N61-08 standard 1mm nozzle, other sizes are available to purchase separately.

N61 Series

Standard Type for Land-Patterns

Close Fitting Nozzles for standard size land pattern secure desoldering.



S Type for small land-patterns

Close Fitting Nozzles for small size land pattern secure desoldering.



SS Type for micro land-patterns

Close fitting nozzles for micro size land pattern secure desoldering.



Oval Type for flat terminals

Slim and long nozzles to reach components in narrow spaces. Recommended for shield cases.



Long Type for narrow space

Slim and long nozzles to reach components in narrow spaces. Recommended for header sockets.

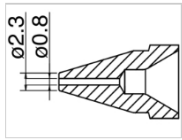


hakko.com - hakko.co.uk - hakko.ie

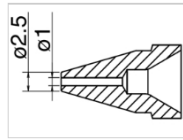
FR301-22



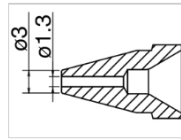
Standard type



N61-07 Nozzle Standard type
Size $\Phi 0.8$

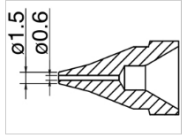


N61-08 Nozzle Standard type
Size $\Phi 1.0$

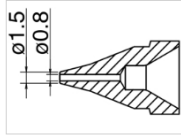


N61-09 Nozzle Standard type
Size $\Phi 1.3$

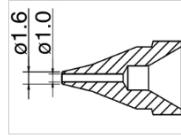
SS Type



N61-01 Nozzle SS type
Size $\Phi 0.6$

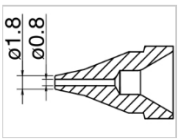


N61-02 Nozzle SS type
Size $\Phi 0.8$

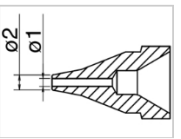


N61-03 Nozzle SS type
Size $\Phi 1.0$

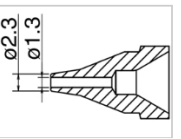
S type



N61-04 Nozzle S type
Size $\Phi 0.8$

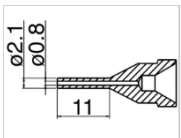


N61-05 Nozzle S type
Size $\Phi 1.0$

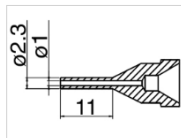


N61-06 Nozzle S type
Size $\Phi 1.3$

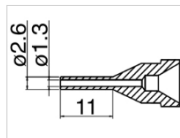
Long Type



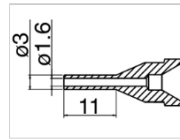
N61-11 Nozzle Long type
Size $\Phi 0.8$



N61-12 Nozzle Long type
Size $\Phi 1.0$

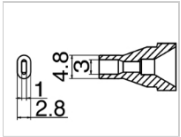


N61-13 Nozzle Long type
Size $\Phi 1.3$

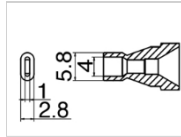


N61-14 Nozzle Long type
Size $\Phi 1.6$

Oval type



N61-15 Nozzle Oval type
Size 3x1 mm



N61-16 Nozzle Oval type
Size 4x1 mm

Recommended Extras Desoldering:

Available to purchase separately



C5046
Nozzle Quick Changer



C1390C
Omniverse PCB Holder



FR830
PCB Underboard Heater



C5027
PCB Board Holder



C1100
Iron Holder Stand with
Cleaning Sponge



Nozzle Cleaning Pin
B2874 $\Phi 0.6$ mm
B1086 $\Phi 0.8$ mm
B1087 $\Phi 1.0$ mm
B1088 $\Phi 1.3$ mm
B1089 $\Phi 1.6$ mm
B2875 $\Phi 2$ mm / 2.3mm



Nozzle Cleaning Drills
Drills and Drill bits in
different sizes for Nozzle
Cleaning



WICK
Desolder Braid
Available in different sizes



FT640 / FT641
Tweezers



FS210
Flux Pen