



FR-301

PORTABLE DESOLDERING TOOL

The **HAKKO FR-301 Portable Desoldering Tool** puts the performance of an industrial desoldering station into a compact and lightweight hand tool that can be used on the workbench or in the field.



N61 NOZZLE

DESOLDERING



FEATURES & BENEFITS

- Easy-to-clean solder collection chamber minimizes maintenance and reduces waste
- Fast release tool for the quick-change nozzle system
- Closed-loop sensor integrated heating system for improved thermal performance
- Compatible with Lead-Free solders
- Unique pump design that lowers vibration and noise, but improves vacuum pressure and flow



SPECIFICATIONS For Part No. FR301-03/P

Nozzle Series	N61 see page 59 (N61-08 (0.04 in. / Ø1.0 mm) included)
Voltage	120 VAC 50/60 Hz
Power Consumption	140W
Temperature Range	660 °F - 930 °F / 350 °C - 500 °C
Nozzle-to-Ground Resistance	< 2 Ω
Nozzle-to-Ground Potential	< 2 mV
Temperature Stability & Accuracy	Meets or exceeds IPC J-STD-001
Heating Element	Ceramic
Vacuum Source	Single-Cylinder diaphragm pump
Vacuum Pressure	81 kPa (24 in. Hg / 610 mm Hg)
Suction Flow	11 L/min

FR301-03/P DESOLDERING TOOL W/CASE

Includes everything shown in picture.

**CLEANING PIN
FOR 1.0MM NOZZLE**
P/N: B1087

**CLEANING PIN
FOR HEATING ELEMENT**
P/N: B1085

**IRON
HOLDER**
P/N: C5003

**1.0mm NOZZLE
(1 INSTALLED)**
P/N: N61-08

**DESOLDERING
TOOL**

**NOZZLE
WRENCH**
P/N: B5106

**CERAMIC
PAPER FILTER**
P/N: A5044

PRE-FILTER
P/N: B5104



CONTENTS For Part No. FR301-03/P

Part No.	Description
--	Desoldering tool
B5106	Nozzle wrench
B5104	Pre-filter
A5044	Ceramic paper filter (Large) (1 installed, 2 replacement)
B1087	Cleaning pin for 1.0 mm nozzle
B1085	Cleaning pin for heating element
N61-08	1.0 mm nozzle (1 installed)
C5003	Iron Holder
--	Instruction manual



N61

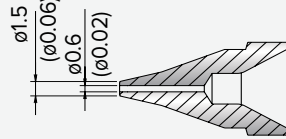
SERIES NOZZLES



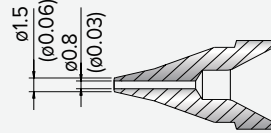
N61 SERIES NOZZLES FOR USE WITH FR-4103, FR-4104 and FR-301 DESOLDERING TOOLS

UNIT: mm (in)

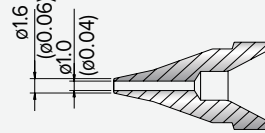
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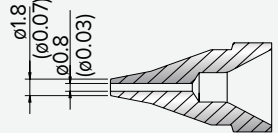
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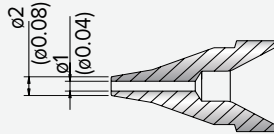
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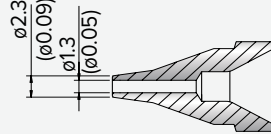
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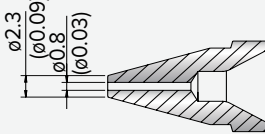
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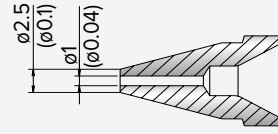
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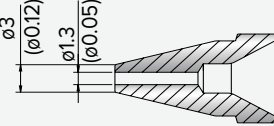
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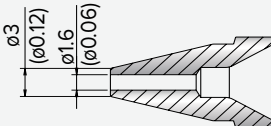
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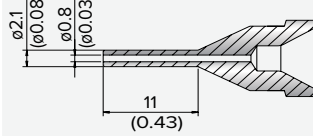
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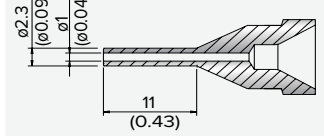
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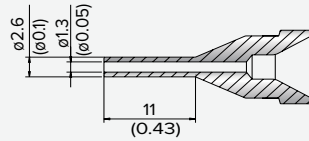
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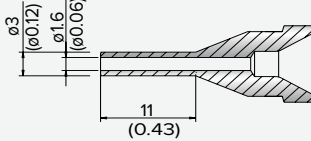
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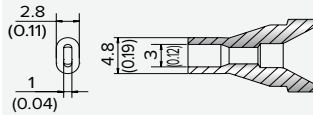
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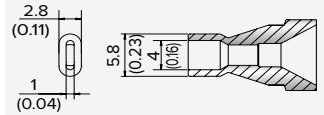
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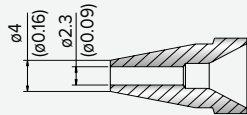
N61-15



N61-16



N61-17



For more information on the N61 Nozzle Series [Scan QR Code.](#)

DESOLDERING