ERSA SMT UNIT 60 A

Micro tool / Pincette 40

65 / 130 W heat up rating

2	*212 SD*
1 2	*212 BD*
1 2	*212 CD*
1 2	*212 ED*
1	*212 KD*
2	*212 FD*
2	*212 GD*
2	*212 MS*
2	*212 WD*
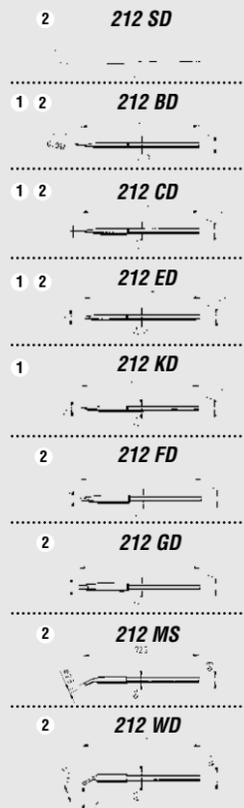
Cross section of an ERSADUR-soldering tip (see p. 9)

Please ask for our tip sheet with addtional tips!

20

1 *Tips for SMD 8012*
2 *Tips for SMD 8013*

## SMD Soldering and Desoldering Station - to meet every budget

The SMT UNIT 60 A from ERSA will handle virtually any soldering job - whether it is SMD soldering, desoldering or repair work. It is electronically temperature-controlled and antistatic according to MIL-SPEC/ESA-standards and has two separately controlled tools: the ultra-light ERSA Micro tool SMD soldering iron and the versatile ERSA Pincette 40 for desoldering. An extensive range of SMD soldering and desoldering tips compliments these tools. The Micro tool has a range of long-lasting ERSADUR soldering tips beginning at 0.2 mm (0.008"), making it ideal for very fine and compact soldering work. The revolutionary ERSA MicroWell tip enables you to install fine-pitch SMDs in a matter of seconds. The desoldering tip range of the Pincette 40 covers everything from MELFs and mini-MELFs to SOIC packages, QFPs and PLCC's. Its wide range of tips means you can use the ERSA SMT UNIT 60 A to work on practically any commercially available SMT component. And because you can change the rapid heat up tips in a matter of seconds, even when they are hot, you can work quickly and efficiently.

The multifunctional holder with its swiveling sponge container also functions as a hot tip holder. The holder is designed so that you can use ERSA soldering irons with any commercially available solder fume extraction system provided you have an adapter.
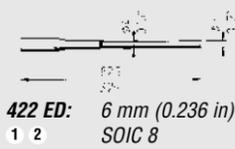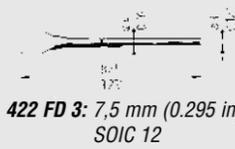
The ultra-fine 0.2 mm (0.008") tip (212 SD)

Quick and easy SMD rework

A

B

C
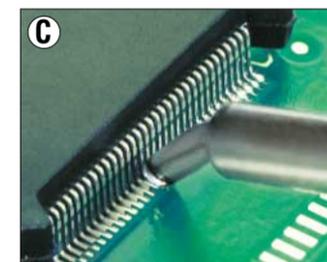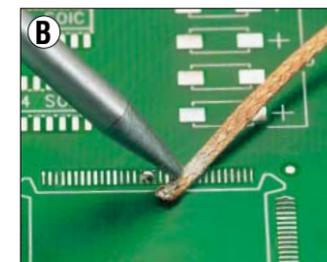
Desoldering tips (pair) for Pincette 40

422 ED: 6 mm (0.236 in)
1 2 SOIC 8

422 FD 3: 7,5 mm (0.295 in)
1 2 SOIC 12

422 FD 1: 10 mm (0.394 in)
1 2 SOIC 16

422 FD 4: 12,5 mm (0.492 in)
2 SOIC 20

422 FD 2: 15 mm (0.591 in)
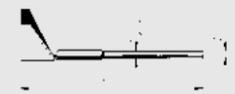**1 2** SOIC 24

422 FD 5: 17,5 mm (0.689 in)
2 SOIC 28

422 FD 6: 20 mm (0.787 in)
2 SOIC 32

422 FD 7: 25 mm (0.984 in)
SOIC 40

422 FD 8: 27,5 mm (1.082 in)

422 FD 9: 40 mm (1.574 in)

422 QD 5: 10 mm (0.394 in)
2 PLCC 20

422 QD 1: 12,5 mm (0.492 in)
1 PLCC 28

422 QD 6: 15 mm (0.591 in)
QFP, TQFP, TTQFP
TTQFP 80T25

422 QD 3: 17,5 mm (0.689 in)
1 2 PLCC 44

422 QD 4: 20 mm (0.787 in)
1 PLCC 52

422 QD 2: 25 mm (0.984 in)
1 PLCC 68

422 QD 7: 30 mm (1.191 in)
PLCC 84

422 QD 8: BQFP 132

422 QD 9: BQFP 100

422 QD 10: 22,5 mm (0.886 in)
QFP 112

422 RD 1: 22,5 x 16,5 mm
(0.886 x 0.650 in)
QFP 100

422 RD 2: 15 x 12,5 mm
(0.591 x 0.492 in)
PLCC 32

422 RD 3: 15 x 10 mm
(0.591 x 0.394 in)
PLCC 28-1

422 SD: MICROMELF
2

422 MD: MELFS/MINIMELFS
1 2

1 Tips for SMD 8012
2 Tps for SMD 8013

Technical data:

SMT 603 A electronic station
Supply voltage: 230 V~, 50-60 Hz
Secondary voltage: 24 V~
Rating: 60 W
Control technique: RESISTRONIC
Temperature range:
  Micro tool:
  stepless 150°C (300°F) - 400°C (750°F)
  Pincette 40: subject to tips
Function display: red LED
Cable: 2 m (6.6 ft) PVC with connector
Model: safety insulated, antistatic
  according to MIL-SPEC/ESA standards

Micro tool soldering iron
Voltage: 24 V~
Rating: 30 W / 280°C (545°F)
  - 20 W / 350°C (660°F)
Heat up rating: 65 W
Heating time: appr. 50 s (to 280°C/545°F)

Weight (without cable): appr. 25 g (1 oz)
Cable: 1.2 m (3.9 ft) highly flexible/
  heat resistant, antistatic
Model: antistatic according to
  MIL-SPEC/ESA standards

Pincette 40 desoldering tweezers
Voltage: 24 V~
Rating: 2 x 30 W / 280°C (545°F)
  - 2 x 20 W / 350°C (660°F)
Heat up rating: 130 W
Heating time: subject to tips
Weight (without cable): appr. 75 g (3 oz)
Cable: 1.2 (3.9 ft) m highly flexible/
  heat resistant, antistatic
Model: antistatic according to
  MIL-SPEC/ESA standards

Order nos:

SMT 60 A SMT UNIT 60 A soldering
and desoldering station
complete

consisting of:
SMT 603 A Electronic station
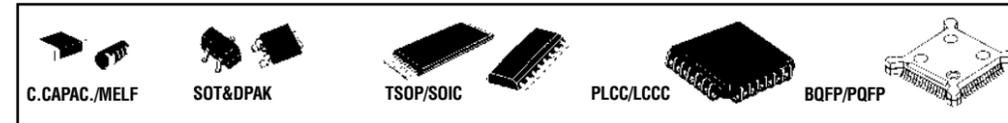**270 BDJ** Micro tool soldering iron
with 212 BD soldering tip
430 EDJ Pincette 40 desoldering
tweezers with 422 ED
desoldering tips
A 29 Holder for Micro tool
A 30 Holder for Pincette 40
43400 Tip turn protection set
for type 422
43500 Tip turn protection set
for type 212 and 422

C.CAPAC./MELF   SOT&DPAK   TSOP/SOIC   PLCC/LCCC   BQFP/PQFP

Please choose your suitable SMD desoldering tips out of the series 422. (further SMD desoldering tips upon request)

ERSA SMD tip holder

Order nos.:

SMD 8012 SMD tip holder
completely equipped
consisting of:
SH 03 Tip holder
ERSADUR-SMD soldering tips
212 BD pencil point 0.4 mm ø
(0.016 in ø)
212 CD chisel shaped, 1.0 mm
(0.039 in)
212 ED chisel shaped, 1.8 mm
(0.071 in)
212 KD chisel shaped, extended,
1.8 mm (0.071 in)
SMD-desoldering tips (pair)
422 MD for MELFs a. MINIMELFs
422 ED 6 mm (0.236 in)
for SOIC 8
422 FD 1 10 mm (0.394 in)
for SOIC 16
422 FD 2 15 mm (0.591 in)
for SOIC 24
422 QD 1 12.5 mm (0.492 in)
for PLCC 28
422 QD 3 17.5 mm (0.689 in)
for PLCC 44
422 QD 4 20 mm (0.787 in)
for PLCC 52
422 QD 2 25 mm (0.984 in)
for PLCC 68

SMD 8012

The fully equipped tip holder makes organizing and accessing your SMD soldering/desoldering tips an easy task, while at the same time **saving space!**

This extremely **practical and ergonomical** tip holder is an indispensable aid that no SMD workbench should be without.

Order nos:

SMD 8013 SMD tip holder completely
equipped

consisting of:
SH 03 Tip holder

ERSADUR-SMD soldering tips
212 SD pencil point, 0.2 mm/0.008 in ø
212 BD pencil point; 0.4 mm/0.016 in ø
212 CD chisel-shaped, 1.0 mm/0.039 in
212 ED chisel-shaped, 1.8 mm/0.071 in
212 FD chisel-sh., reinf., 2.2 mm/0.087 in
212 GD chisel-sh., reinf, 3.2 mm/0.126 in

212 MS MicroWell, 2.3 mm/0.091 in
212 WD MiniMicroWell, 1.6 mm/0.063 in

SMD-desoldering tips (pair)
422 SD for MICROMELF
422 MD for MELFs a. MINIMELFs
422 ED 6 mm/0.236 in, for SOIC 8
422 FD 1 10 mm/0.394 in, for SOIC 16
422 FD 4 12.5 mm/0.492 in, for SOIC 20
422 FD 2 15 mm/0.591 in, for SOIC 24
422 FD 5 17.5 mm/0.689 in, for SOIC 28
422 FD 6 20 mm/0.787 in, für SOIC 32
422 QD 5 10 mm/0.394 in, for PLCC 20
422 QD 3 17.5 mm/0.689 in, for PLCC 44

SMD 8013

21