

# PLATO®





# PLATO®

# Matrix®

## Desoldering Ribbon Entlöt-Band

- Removes solder faster
- Absorbs more solder
- 4 layers of precision copper mesh

- Entfernt Lot schneller
- Saugt mehr Lot ab  
bei geringerem Verbrauch
- Vier-Lagen-Kupfergeflecht



*Innovative new dispenser  
makes work easier*  
*Innovativer neuer Dispenser  
gestaltet das Arbeiten einfacher*

*Less heat stress to components and fingers*  
*Weniger thermische Belastung für Komponenten und Finger*

Please see page 10  
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### PLATO

Electronic Assembly Tools  
Lötwerkzeuge u. Löttechnik

|                                                                  |         |
|------------------------------------------------------------------|---------|
| Tip-Tin TT 95; Tip Tinner/Cleaner, Lötspitzen-Reiniger/Verzinner | 4       |
| AB-3; Polishing Bar, Polierstab                                  | 4       |
| 01-5000; Desoldering Tip Cleaning Tool, Entlötspitzen-Reiniger   | 4       |
| TW-555; Tip Wiper, Lötspitzen-Reiniger                           | 4       |
| Sponges, Schwämme                                                | 5       |
| Shears and Former, Drahtschneider und Mikroformer                | 6       |
| SofTweezers, Pinzetten                                           | 7       |
| Precision Solder Pots, Löttöpfe                                  | 8 + 9   |
| Matrix Desoldering Ribbon                                        | 10      |
| Matrix Entlöt-Band                                               | 11      |
| Wick - XL-...; Desoldering Braid, Entlötflitzen                  | 12      |
| Wick - XLNC-...; Desoldering Braid, Entlötflitzen                | 12      |
| Stat Products, ESD Produkte                                      | 13      |
| Liquid Dispensers, Flüssigkeitsdosierer                          | 14 + 15 |

### PLATO

Soldering Tips to fit  
Lötspitzen passend für

|                                                                                              |         |
|----------------------------------------------------------------------------------------------|---------|
| Weller® WTCP-S, WTCP-T, TCP, TCP-S, FE 50M                                                   | 16      |
| Weller® WECF 20, EC 1201, LR 21, FE 50, T 3001                                               | 17      |
| Weller® W 61, W 101                                                                          | 18      |
| Weller® MLR 21, MLR 21 FE, FE 25, MPR 30                                                     | 19      |
| Weller® EC-1002, EC-2002, WTL 1000-2, DEC-1001, DTL-1000                                     | 20      |
| Weller® WSP-150                                                                              | 20      |
| Weller® MLR 80, WSP 80, WSP 80 FE, MPR 80, FE 75                                             | 21      |
| Pace® SP-1A, SP-2A, PS-80, ST-45, IR-70 SODR-PEN®                                            | 22 + 23 |
| Pace® SP-1A, SP-2A, PS-80, IR-25, IR-70 SODR-PEN®                                            | 24      |
| Ø 1/8" (3,2 mm)                                                                              | 24      |
| Ø 3/16" (4,8 mm)                                                                             | 25      |
| Ø 1/4" (6,4 mm), Ø 5/16" (8,0 mm), Ø 3/8" (9,5 mm)                                           | 26      |
| ERSA® ANALOG 60, 60A, 80, 80A; DIGITAL 80A, MS 6000, MS 8000, ELS 8000 M, TWIN 80A           | 27      |
| Hakko® 926, 927, 928, 933, 936, 937; Handpiece/Handgriff M926, 900M, 907 ESD                 | 28 + 29 |
| OK-Ind.® SA 1000; Handpiece/Handgriff SAI 640                                                | 28 + 29 |
| Hakko® S-Type 927, 928, 936, 937; Handpiece/Handgriff 900S, 900S-ESD                         | 29      |
| Hakko® 926, 927, 928, 934, 936, 937; Handpiece/Handgriff L926, 900L, 900L ESD, 908L, 903 ESD | 30      |
| Hakko® MG Models 582, 583, 585, 587, 589, 592                                                | 30      |
| Antex® C, CSTC, G, M                                                                         | 31      |
| Oryx®                                                                                        | 31      |
| OK-Ind.® SA-3/10/10-E; BTR-35/55; SAI-3, SAI-548A, SAI-60, SAI 560, SA-1200, SA-1201;        | 32      |
| Xytronic®, ELVO® E9-60A, E9-60D; Start® 48 & 60 Watt                                         | 32      |
| ELVO®, OK-Ind.® 30 Watt, Start®, Xytronic®                                                   | 32      |

### PLATO

Desoldering Tips to fit  
Entlötspitzen passend für

|                                                                 |    |
|-----------------------------------------------------------------|----|
| Weller® DS-102/200/200K/501/600/601P/1201/1201ESD/1203/700M/800 | 33 |
| Weller® DS-40P, DS-60, DS-TCP                                   | 33 |
| Edsyn Loner® ZD500/505/905/906                                  | 33 |
| Pace® SX-65A & SX-70 SODR-X-TRACTORS®                           | 34 |
| Pace®, Air-Vac®, A.P.E.®                                        | 35 |
| Hakko® 474, 475, 701; Handpiece/Handgriff 808, 809              | 36 |
| Hakko® 483, 700, 707, 800, 800L                                 | 36 |
| OK-Ind.® SA-150/250/350/450, DG20/40/60                         | 36 |
| Hakko® Ace 484;                                                 | 36 |
| OK-Ind.® SA-100, SA-300, SA-400, DG10, DG30, DG50               | 36 |

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**We reserve the right to make technical changes.**  
**Custom tip designs on request.**

Wir bitten Sie zu beachten, daß Ihre Bestellung mit der neuesten Katalogausgabe übereinstimmt, da sich Ausführungen und Toleranzen der Produkte von Zeit zu Zeit ändern. Dieser Katalog ersetzt alle früheren Plato-Kataloge. Dieser Katalog wurde im April 2003 herausgegeben.

**Katalog-Nummer: ZPM-0403.**

**Technische Änderungen vorbehalten.**

**Sonderlötspitzen nach Kundenzeichnung auf Anfrage.**



### SOLDERING TIPS LÖTSPITZEN

| A.P.E.®   | Plato®  | Pg. |
|-----------|---------|-----|
| 1212-0125 | 22-1627 | 24  |
| 1212-0016 | 22-2931 | 24  |
| 1212-0001 | 22-4927 | 24  |

| American Beauty® | Plato® | Pg. |
|------------------|--------|-----|
| 67-S             | 44-105 | -   |
| 271              | 22-315 | 24  |
| 501              | 22-127 | 24  |
| 502              | 22-142 | 24  |
| 503              | 21-175 | 24  |
| 507              | 22-320 | 24  |
| 509              | 22-428 | 24  |
| 510              | 22-449 | 24  |
| 512              | 21-572 | 24  |
| 524              | 20-851 | 24  |
| 604              | 31-150 | 25  |
| 605              | 32-168 | 25  |
| 607              | 32-168 | 25  |
| 613              | 32-306 | 25  |
| 615              | 32-338 | 25  |
| 617              | 33-364 | 25  |
| 619              | 33-395 | 25  |
| 621              | 33-464 | 25  |
| 625              | 33-415 | 25  |
| 626              | 32-660 | 25  |
| 630              | 32-402 | 25  |
| 643              | 33-131 | 25  |
| 701              | 42-117 | -   |
| 703              | 42-138 | -   |
| 704              | 44-152 | -   |
| 706              | 41-199 | -   |
| 714              | 42-347 | 26  |
| 715              | 44-352 | 26  |
| 716              | 42-355 | 26  |
| 720              | 44-386 | -   |
| 721              | 44-390 | 26  |
| 724              | 44-443 | -   |
| 730              | 42-713 | -   |
| 738              | 44-611 | -   |
| 739              | 42-685 | -   |

| Antex® | Plato® | Pg. |
|--------|--------|-----|
| 2-IC   | A-108  | 31  |
| 2-IS   | A-521  | 31  |
| 6-NS   | A-5217 | 31  |
| 8-I    | A-417  | 31  |
| 46-IC  | A-144  | 31  |
| 46-IS  | A-542  | 31  |
| 46-NS  | A-5890 | 31  |

| Bonkote® | Plato®   | Pg. |
|----------|----------|-----|
| 5-0.5C   | BKT-5897 | -   |
| 5-1C     | BKT-5899 | -   |
| 5-2B     | BKT-8144 | -   |
| 5-2BC    | BKT-5900 | -   |
| 5-2C     | BKT-5898 | -   |
| 5-2D     | BKT-6079 | -   |
| 7-1C     | BKT-5736 | -   |
| 7-2B     | BKT-4835 | -   |
| 7-3C     | BKT-5738 | -   |
| 7-5A     | BKT-2046 | -   |
| 7-5B     | BKT-4836 | -   |
| 7-KF     | BKT-0954 | -   |
| 10-4C    | BKT-5777 | -   |
| 10-6B    | BKT-4832 | -   |
| 10-6C    | BKT-5778 | -   |
| 10-8B    | BKT-4857 | -   |
| 10-8D    | BKT-2792 | -   |
| 10-KF    | BKT-0940 | -   |

| Edsyn Loner® | Plato® | Pg. |
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| LT-374       | E-4709 | -   |
| LT-375       | E-2621 | -   |
| LT-376       | E-2622 | -   |
| LT-381       | E-8134 | -   |
| LT-383       | E-4781 | -   |
| LT-392       | E-4711 | -   |
| LT-393       | E-5649 | -   |
| LT-394       | E-2627 | -   |
| LT-395       | E-2625 | -   |
| LT-425       | E-2626 | -   |
| LT-429       | E-4710 | -   |
| LT-430       | E-5892 | -   |
| LT-431       | E-2624 | -   |
| LT-444-1     | E-6060 | -   |
| LT-444       | E-2856 | -   |
| LT-445       | E-5891 | -   |
| LT-446       | E-4708 | -   |

| ELVO® | Plato®  | Pg. |
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| 501   | CI-4713 | 32  |
| 506   | CI-2629 | 32  |
| 507   | CI-2642 | 32  |
| 509   | CI-4717 | 32  |
| E221  | TX-300  | 32  |
| E231  | TX-440  | 32  |
| E241  | TX-322  | 32  |
| E251  | TX-367  | 32  |
| E261  | TX-314  | 32  |
| E281  | TX-343  | 32  |
| E291  | TX-351  | 32  |
| E301  | TX-406  | 32  |
| E311  | TX-338  | 32  |

| ERSA® | Plato®  | Pg. |
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| 602BD | ER-4743 | 27  |
| 602CD | ER-2675 | 27  |
| 602ED | ER-2676 | 27  |
| 602KD | ER-2643 | 27  |
| 602SD | ER-4742 | 27  |
| 602UD | ER-8550 | 27  |
| 602VD | ER-2678 | 27  |
| 832BD | ER-4002 | 27  |
| 832CD | ER-3998 | 27  |
| 832DD | ER-5001 | 27  |
| 832ED | ER-3101 | 27  |
| 832FD | ER-5002 | 27  |
| 832ID | ER-4003 | 27  |
| 832KD | ER-3997 | 27  |
| 832OD | ER-0975 | 27  |
| 832UD | ER-4005 | 27  |
| 832SD | ER-4004 | 27  |
| 832YD | ER-4006 | 27  |
| 832PW | ER-3999 | 27  |
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| Esico®   | Plato®   | Pg. |
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| 210-107  | 22-142   | 24  |
| 210-114  | 22-142   | 24  |
| 210-132  | 22-127   | 24  |
| 210-143  | 22-127   | 24  |
| 211-105  | 21-175   | 24  |
| 211-127  | 21-175   | 24  |
| 220-103  | 22-320   | 24  |
| 220-116  | 22-320   | 24  |
| 240-102  | 22-449   | 24  |
| 240-111  | 22-449   | 24  |
| 251-120  | 21-572   | 24  |
| 251-131  | 33-131   | 25  |
| 310-108  | 33-131   | 25  |
| 310-115  | 33-131   | 25  |
| 311-103  | 31-150   | 25  |
| 311-124  | 31-150   | 25  |
| 312-105  | 32-168   | 25  |
| 312-116  | 32-168   | 25  |
| 320-109  | 33-364   | 25  |
| 320-118  | 33-364   | 25  |
| 320-136  | 33-395   | 25  |
| 320-144  | 33-395   | 25  |
| 322-104  | 32-306   | 25  |
| 322-117  | 32-306   | 25  |
| 322-220  | 32-338   | 25  |
| 322-146  | 32-338   | 25  |
| 340-107  | 33-464   | 25  |
| 340-114  | 33-464   | 25  |
| 342-112  | 32-660   | 25  |
| 342-119  | 32-660   | 25  |
| 410-126  | 44-152   | -   |
| 410-140  | 44-152   | -   |
| 411-107  | 41-199   | -   |
| 411-123  | 41-199   | -   |
| 412-103  | 42-117   | -   |
| 412-110  | 42-683   | -   |
| 412-131  | 42-117   | -   |
| 412-159  | 42-138   | -   |
| 412-246  | 42-138   | -   |
| 413-102  | 43-754   | -   |
| 413-117  | 43-799   | -   |
| 420-106  | 44-390   | 26  |
| 420-114  | 44-715   | -   |
| 420-119  | 44-390   | 26  |
| 420-130  | 44-611   | -   |
| 420-143  | 44-386   | 26  |
| 420-164  | 44-386   | 26  |
| 420-201  | 44-706   | 26  |
| 422-113  | 42-619   | 26  |
| 422-132  | 42-355   | 26  |
| 422-144  | 42-347   | 26  |
| 422-347  | 42-347   | 26  |
| 426-161  | 46-626   | 26  |
| 426-173  | 46-626   | 26  |
| 426-189  | 46-912   | 26  |
| 440-129  | 44-443   | 26  |
| 440-138  | 44-653   | 26  |
| 440-177  | 44-443   | 26  |
| 442-139  | 42-628   | 26  |
| 442-147  | 42-685   | 26  |
| 442-153  | 42-628   | 26  |
| 451-146  | 41-545   | -   |
| 451-167  | 41-545   | -   |
| 610-102  | 66-145   | 26  |
| 613-103  | 63-155   | -   |
| 620-126  | 66-627   | -   |
| 620-383  | 66-300   | 26  |
| 630-107  | 66-201   | -   |
| 640-169  | 66-409   | -   |
| 640-190  | 66-911   | -   |
| 1010-119 | 1010-184 | -   |
| 1030-101 | 1010-286 | -   |

| Hakko®       | Plato®   | Pg. |
|--------------|----------|-----|
| 582-T-4      | 400-8148 | 30  |
| 585-T-6      | 600-8149 | 30  |
| 587-T-8      | 800-8150 | 30  |
| 900L-T-2B    | HS-4789  | -   |
| 900L-T-2C    | HS-5705  | 30  |
| 900L-T-3C    | HS-5706  | 30  |
| 900L-T-4C    | HS-5707  | -   |
| 900L-T-5C    | HS-5876  | -   |
| 900L-T-1.6D  | HS-6094  | -   |
| 900L-T-2.4D  | HS-6027  | 30  |
| 900L-T-3.2D  | HS-2755  | 30  |
| 900L-T-B     | HS-4788  | -   |
| 900L-T-I     | HS-4790  | 30  |
| 900L-T-K     | HS-0922  | -   |
| 900L-T-LB    | HS-8177  | -   |
| 900L-T-S1    | HS-1666  | -   |
| 900M-T-0.2RB | HS-4791  | 28  |
| 900M-T-0.5C  | HS-5715  | 28  |
| 900M-T-0.8C  | HS-5716  | 28  |
| 900M-T-1C    | HS-5701  | 28  |
| 900M-T-1.5CF | HS-5861  | 28  |

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| 900M-T-2C    | HS-5702  | 28 |
| 900M-T-3C    | HS-5703  | 28 |
| 900M-T-4C    | HS-5875  | 28 |
| 900M-T-0.8D  | HS-2863  | 28 |
| 900M-T-1.2D  | HS-2796  | 28 |
| 900M-T-1.6D  | HS-2751  | 28 |
| 900M-T-2.4D  | HS-2752  | 28 |
| 900M-T-3.2D  | HS-2753  | 28 |
| 900M-T-1.8H  | HS-0926  | 28 |
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| 900M-T-2LD   | HS-6092  | 28 |
| 900M-T-3.2LD | HS-6093  | 28 |
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| 900M-T-H     | HS-0925  | 28 |
| 900M-T-I     | HS-4787  | 28 |
| 900M-T-K     | HS-0927  | 28 |
| 900M-T-LB    | HS-4786  | 28 |
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| 900M-T-RT    | HS-0924  | 29 |
| 900M-T-SB    | HS-4792  | 29 |
| 900M-T-SMD   | HS-4988  | 29 |
| 900M-T-S3    | HS-1665  | 29 |
| 900M-T-S4    | HS-8175  | 29 |
| 900M-T-S5    | HS-8157  | 29 |
| 900M-T-S6    | HS-5827  | 29 |
| 900M-T-S7    | HS-5826  | 29 |
| 900S-T-B     | HS-4875  | 29 |
| 900S-T-1.6D  | HS-2847  | 29 |
| 900S-T-I     | HS-4878  | 29 |
| 918-T-3C     | HS-5807  | -  |
| 918-T-4C     | HS-5877  | -  |
| 918-T-5C     | HS-5878  | -  |
| 918-T-1.6D   | HS-2938  | -  |
| 918-T-2.4D   | HS-2939  | -  |
| 918-T-3.2D   | HS-6029  | -  |
| 918-T-B      | HS-4838  | -  |
| 918-T-BC     | HS-5806  | -  |
| 920-T-2C     | HS-5781  | -  |
| 920-T-3C     | HS-5857  | -  |
| 920-T-4C     | HS-5859  | -  |
| 920-T-1.0D   | HS-6095  | -  |
| 920-T-1.6D   | HS-2936  | -  |
| 920-T-2.4D   | HS-2937  | -  |
| 920-T-3.2D   | HS-2818  | -  |
| 920-T-B      | HS-4840  | -  |
| 920-T-BC     | HS-5805  | -  |
| 920-T-D      | HS-2937  | -  |
| 920-T-I      | HS-4933  | -  |
| 920-T-R      | HS-0876  | -  |
| 920-T-RT     | HS-0877  | -  |
| 980-T-B      | HS-5710  | -  |
| 980-T-BC     | HS-5711  | -  |
| 980-T-D      | HS-5712  | -  |
| B83          | 300-8179 | -  |
| B84          | 400-8182 | -  |
| B86          | 600-8181 | -  |
| N452-T-B     | HS-4860  | -  |
| N452-T-C     | HS-5879  | -  |
| N452-T-D     | HS-1647  | -  |
| N452-T-I     | HS-4904  | -  |
| N452-T-SB    | HS-8126  | -  |
| N452-T-SC    | HS-5880  | -  |
| N452-T-SD    | HS-1646  | -  |
| N452-T-1C    | HS-5881  | -  |
| N452-T-2C    | HS-5882  | -  |
| N452-T-3C    | HS-5883  | -  |
| N452-T-4C    | HS-5884  | -  |
| N454-T-B     | HS-4903  | -  |
| N454-T-D     | HS-1648  | -  |
| N454-T-I     | HS-8127  | -  |
| N454-T-2C    | HS-5885  | -  |
| N454-T-3C    | HS-5886  | -  |
| N454-T-4C    | HS-5887  | -  |
| N454-T-5C    | HS-5888  | -  |

| Hexacon® | Plato®   | Pg. |
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| HT104    | 20-851   | 24  |
| HT108    | 66-409   | -   |
| HT118    | 32-402   | 25  |
| HT129    | 66-367   | -   |
| HT131    | 44-653   | -   |
| HT145    | 63-155   | -   |
| HT151    | 66-145   | 26  |
| HT159    | 41-545   | -   |
| HT178    | 1010-397 | -   |
| HT190    | 33-395   | 25  |
| HT195    | 33-131   | 25  |
| HT202    | 44-611   | -   |
| HT207    | 33-364   | 25  |
| HT220    | 31-517   | 25  |
| HT222    | 22-449   | 24  |
| HT249    | 22-127   | 24  |
| HT256    | 1010-286 | -   |
| HT276    | 31-150   | 25  |
| HT281    | 33-415   | 25  |
| HT313    | 44-352   | 26  |
| HT324    | 42-138   | -   |
| HT331    | 22-687   | 24  |
| HT343    | 44-443   | -   |
| HT356    | 42-619   | -   |
| HT358    | 42-347   | 26  |
| HT359    | 42-355   | 26  |
| HT361    | 21-175   | 24  |
| HT376    | 22-142   | 24  |
| HT382    | 44-3513  | -   |
| HT397    | 44-386   | -   |
| HT417    | 44-390   | 26  |
| HT426    | 44-715   | -   |
| HT449    | 66-300   | 26  |
| HT451    | 42-117   | -   |
| HT452    | 42-685   | -   |
| HT453    | 40-712   | -   |
| HT463    | 43-754   | -   |
| HT468    | 44-105   | -   |
| HT470    | 66-349   | -   |
| HT472    | 66-911   | -   |
| HT473    | 43-799   | -   |
| HT474    | 32-168   | 25  |
| HT477    | 22-315   | 24  |
| HT479    | 32-660   | 25  |
| HT499    | 1010-184 | -   |

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|--------|--------|----|
| HT506  | 55-316 | 26 |
| HT511  | 20-851 | 24 |
| HT513  | 42-628 | 26 |
| HT547  | 55-118 | -  |
| HT548  | 32-338 | 25 |
| HT550  | 55-321 | 26 |
| HT552  | 46-626 | -  |
| HT553  | 44-152 | -  |
| HT556  | 55-336 | 26 |
| HT560  | 22-320 | 24 |
| HT566  | 66-201 | -  |
| HT586  | 44-706 | -  |
| HT685  | 42-683 | -  |
| HT691  | 41-199 | -  |
| HT693  | 21-572 | 24 |
| HT699  | 42-355 | 26 |
| HT773  | 46-912 | -  |
| HT841  | 42-713 | -  |
| HT880X | PS-383 | -  |



|           |         |    |
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| 1121-0527 | 33-7102 | 23 |
| 1121-0528 | 33-7101 | 23 |
| 1121-0529 | 33-7104 | 23 |
| 1121-0530 | 33-7105 | 23 |
| 1121-0531 | 33-7106 | 23 |
| 1121-0532 | 33-7107 | 23 |
| 1121-0533 | 33-7103 | 23 |
| 1121-0563 | 33-5897 | 22 |
| 1121-0564 | 33-5898 | 22 |
| 1121-0610 | 33-5898 | 22 |
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| Start® | Plato®  | Pg. |
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| 501    | CI-4713 | 32  |
| 506    | CI-2629 | 32  |
| 507    | CI-2642 | 32  |
| 509    | CI-4717 | 32  |
| 822    | TX-300  | 32  |
| 823    | TX-440  | 32  |
| 824    | TX-322  | 32  |
| 825    | TX-367  | 32  |
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| 9010   | UC-8801 | -   |
| 9011   | UC-7001 | -   |
| 9012   | UC-6100 | -   |
| 9013   | UC-7002 | -   |
| 9014   | UC-7003 | -   |
| 9015   | UC-6101 | -   |
| 9016   | UC-6110 | -   |
| 9017   | UC-6102 | -   |
| 9018   | UC-6103 | -   |
| 9019   | UC-7004 | -   |
| 9050   | UC-8802 | -   |
| 9051   | UC-6104 | -   |
| 9052   | UC-7005 | -   |
| 9056   | UC-8803 | -   |
| 9057   | UC-6105 | -   |
| 9058   | UC-6106 | -   |
| 9059   | UC-6107 | -   |
| 9060   | UC-6108 | -   |
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| CT5A        | 4C-3241 | 18  |
| CT5B        | 4C-3242 | 18  |
| CT5C        | 4C-3243 | 18  |
| CT5D        | 4C-3244 | 18  |
| CT5E        | 4C-1080 | 18  |
| CT6C        | 6C-3219 | 18  |
| CT6D        | 6C-3220 | 18  |
| CT6E        | 6C-3221 | 18  |
| CT6F        | 6C-1083 | 18  |
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| EPH102      | RX-402  | 20  |
| EPH103      | RX-513  | 20  |
| EPH104      | RX-404  | 20  |
| EPH105      | RX-515  | 20  |
| EPH106      | RX-306  | 20  |
| EPH107      | RX-307  | 20  |
| EPH109      | RX-409  | 20  |
| EPH110      | RX-401  | 20  |
| EPH111      | RX-4764 | 20  |
| EPH112      | RX-4763 | 20  |
| ETA         | EW-303  | 17  |
| ETB         | EW-305  | 17  |
| ETC         | EW-307  | 17  |
| ETD         | EW-103  | 17  |
| ETH         | EW-301  | 17  |
| ETJ         | EW-302  | 17  |
| ETK         | EW-304  | 17  |
| ETJL        | EW-0939 | 17  |
| ETL         | EW-306  | 17  |
| ETM         | EW-308  | 17  |
| ETMX        | EW-0603 | 17  |
| ETX         | EW-404  | 17  |
| ETP         | EW-403  | 17  |
| ETQ         | EW-101  | 17  |
| ETS         | EW-402  | 17  |
| ETSMD 2.5mm | EW-0940 | 17  |
| ETSMD 3.8mm | EW-0941 | 17  |
| ETT         | EW-401  | 17  |
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| ETCC        | EW-517  | 17  |
| ETDD        | EW-519  | 17  |
| ETBS        | EW-405  | 17  |
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| LHT-E       | MH-3400 | 20  |
| LHT-F       | MH-3600 | 20  |
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| LT1L        | MS-4110 | 21  |
| LT1LX       | MS-4101 | 21  |
| LT1S        | MS-4100 | 21  |
| LT1SLX      | MS-4125 | 21  |
| LT4         | MS-5160 | 21  |
| LT4X        | MS-3125 | 21  |
| LTA         | MS-3200 | 21  |
| LTAS        | MS-4150 | 21  |
| LTB         | MS-3300 | 21  |
| LTC         | MS-3400 | 21  |
| LTCS        | MS-4160 | 21  |
| LTD         | MS-3600 | 21  |
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| LTK         | MS-3150 | 21  |
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| MT-A  | DX-2684 | 19 |
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| PTA   | C-3039  | 16 |
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| PTC   | C-3036  | 16 |
| PTD   | C-1016  | 16 |
| PTE   | C-1017  | 16 |
| PTF   | C-593   | 16 |
| PTH   | C-3100  | 16 |
| PTJ   | C-3865  | 16 |
| PTK   | C-3043  | 16 |
| PTL   | C-3044  | 16 |
| PTM   | C-3102  | 16 |
| PTO   | C-4223  | 16 |
| PTMX  | C-0602  | 16 |
| PTP   | C-462   | 16 |
| PTQ   | C-5101  | 16 |
| PTR   | C-1021  | 16 |
| PTS   | C-494   | 16 |
| PTT   | C-4309  | 16 |
| PTX   | C-9100  | 16 |
| PTZ   | C-983   | 16 |
| PTAA  | C-5139  | 16 |
| PTBB  | C-5143  | 16 |
| PTCC  | C-5141  | 16 |
| PTDD  | C-5142  | 16 |
| ST-1  | 44-3870 | -  |
| ST-2  | 44-3871 | -  |
| ST-3  | 44-3872 | -  |
| ST-4  | 44-1312 | -  |
| ST-6  | 44-3873 | -  |
| ST-7  | 44-8182 | -  |
| ST-8  | 41-1313 | -  |

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| 501       | CI-4713 | 32  |
| 506       | CI-2629 | 32  |
| 507       | CI-2642 | 32  |
| 509       | CI-4717 | 32  |
| 822       | TX-300  | 32  |
| 823       | TX-440  | 32  |
| 824       | TX-322  | 32  |
| 825       | TX-367  | 32  |
| 826       | TX-314  | 32  |

## DESOLDERING TIPS ENTLÖTSPITZEN

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| 45       | 20-0110-HW | 35  |
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| 60       | 20-0111-HW | 35  |
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| 1212-0060 | 20-0111    | 35  |
| 1212-0080 | 20-0112    | 35  |
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| 1212-0082 | 20-0111    | 35  |
| 1212-0083 | 20-0113    | 35  |
| 1212-0084 | 20-0110    | 35  |
| 1212-0085 | 20-0109    | 35  |
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| ZD10         | EZ-040 | 33  |
| ZD11         | EZ-050 | 33  |
| ZD12         | EZ-030 | 33  |
| ZD13         | EZ-040 | 33  |
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| 483-T-1.0  | HK-0010  | 36  |
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| 483-T-1.3  | HK-0013  | 36  |
| 483-T-1.6  | HK-0016  | 36  |
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| 800-T-1.0  | HK-0010  | 36  |
| 800-T-1.0S | HKL-0010 | 36  |
| 800-T-1.3  | HK-0013  | 36  |
| 800-T-1.6  | HK-0016  | 36  |
| A-1002     | HK-0878  | 36  |
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| BTR-D-031  | 00-0738 | -   |
| BTR-D-039  | 00-0739 | -   |
| BTR-D-047  | 00-0740 | -   |
| BTR-D-063  | 00-0741 | -   |
| SAT-4-031  | TM-007  | 36  |
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| SAT-4V-039 | HK-0010 | 36  |
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| 1121-0216 | 20-0113   | 35  |
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| 1121-0217 | 20-0111   | 35  |
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| 1121-0262 | 20-0040   | 35  |
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| 1121-0342 | 30-0400   | 34  |
| 1121-0367 | 30-0300   | 34  |
| 1121-0368 | 30-0600   | 34  |
| 1121-0369 | 30-0060   | 34  |
| 1121-0462 | 30-030    | 34  |
| 1121-0463 | 30-040    | 34  |
| 1121-0464 | 30-060    | 34  |
| 1121-0465 | 30-6000   | 34  |
| 1121-0479 | 20-0110   | 35  |
| 1121-0480 | 20-0114   | 35  |
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| 1121-0494 | 30-0004   | 34  |
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| DS-114  | T-0141 | 33  |
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| DS-116  | T-0136 | 33  |
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| 4101   | CS-5   | 5   |

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| SH-230 Holder | CS-40  | 5   |

| Hakko®     | Plato® | Pg. |
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| A-1024     | CS-44  | 5   |
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| 607 Holder | CS-44  | 5   |
| 607 Holder | CS-44M | 5   |
| 609-029    | CS-44  | 5   |
| 609-029    | CS-44M | 5   |
| 609 Holder | CS-44  | 5   |
| 609 Holder | CS-44M | 5   |
| 631 Holder | CS-44  | 5   |
| 631 Holder | CS-44M | 5   |
| 632        | CS-44  | 5   |
| 632        | CS-44M | 5   |
| 926-029B   | CS-43  | 5   |
| 926 Holder | CS-43  | 5   |
| 700 Holder | CS-43  | 5   |

| Hexacon®    | Plato® | Pg. |
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| 893A Holder | CS-36  | 5   |

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| 8101C   | CS-9  | 5 |
| 8121    | CS-9  | 5 |
| 8121C   | CS-9  | 5 |
| 8141    | CS-36 | 5 |
| 8141C   | CS-36 | 5 |
| MV15/16 | CS-36 | 5 |

| Lerloy® | Plato® | Pg. |
|---------|--------|-----|
| 65N     | CS-5   | 5   |

| Marshall® | Plato® | Pg. |
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| CM100B    | CS-5   | 5   |

| Metcal®  | Plato® | Pg. |
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| STSS-YS1 | CS-12  | 5   |
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| Pace®     | Plato® | Pg. |
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| 4021-0005 | CS-1   | 5   |

| Ungar® | Plato® | Pg. |
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| 9904   | CS-44  | 5   |
| 9904   | CS-44M | 5   |
| UTC234 | CS-47  | 5   |

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| 892MS    | CS-33  | 5   |
| 896MS    | CS-33  | 5   |
| 52241999 | CS-14  | 5   |
| 52241999 | CS-14M | 5   |
| DS-106   | CS-36  | 5   |
| EC-205   | CS-33  | 5   |
| MF20/21  | CS-33  | 5   |
| SP-60    | CS-1   | 5   |
| TC-205   | CS-44  | 5   |
| TC-205   | CS-44M | 5   |

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### Health Advisory

Lead, a component of most solders, is known to cause cancer and birth defects. To minimize the risk of breathing or otherwise ingesting hazardous materials, the soldering workstation area should be kept clean of solder and chemical residues and adequately ventilated. Fumes generated during soldering may also be removed by fume removal equipment. Additionally, operators should wash their hands prior to eating and should routinely wash their work clothing.



## Tip-Tin TT-95 Tip Tinner / Cleaner – Lead Free – Lötspitzen-Reiniger/Verzinner

### Plato® TT-95 Tip Tin: Tip Tinner / Cleaner – Lead Free

Plato's LEAD FREE Tip Tinner TT-95 is a fast, efficient, and safe means of re-tinning tips. This thermally-stable compound is residue-free, ESD and environmentally safe. Plato Tip Tin TT-95 is sealed in packs of 10.

### Plato® TT-95 Tip Tin: Lötspitzen-Reiniger / Verzinner

Der Plato® Tip Tin TT-95 ist ein schnelles, wirkungsvolles und sicheres Hilfsmittel, Lötspitzen zu reinigen und neu zu verzinnen. Das temperaturstabile Produkt ist blei- und halogenfrei, verdampft ohne Rückstände und ist nicht elektrostatisch entladend. Eine Umweltbelastung findet bei Gebrauch des TT-95 nicht statt.

Verpackungseinheit = 10 Stück.



Tip-Tin TT-95 Tip Tinner/Cleaner

## AB-3 Tip Polishing Bar – Polierstab

The inexpensive Plato® Polishing Bar AB-3 restores detinned tips for additional service.

Plato® Polierstab AB-3 zum Aufarbeiten entzinnter Lötspitzen.

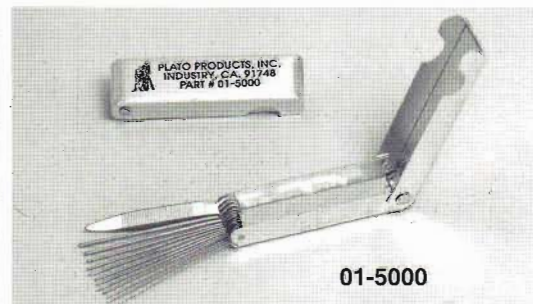


AB-3 Tip Polishing Bar

## 01-5000 Desoldering Tip Cleaning Tool – Entlötspitzen-Reiniger

This handy maintenance tool is used to remove unwanted solder and flux "build-up" from desoldering tip ID's and from solder collector paths.

Zum Reinigen von Entlötspitzen, um Lot- und Flußmittel-Rückstände zu entfernen.



01-5000

## TW-555 Tip Wiper – Lötspitzen-Reiniger

Patented rotating tip wiper TW-555 cleans tips — without detinning — to assure clean, uniform solder joints.

CS-7 Replacement Sponge Sets fit the tip wiper.

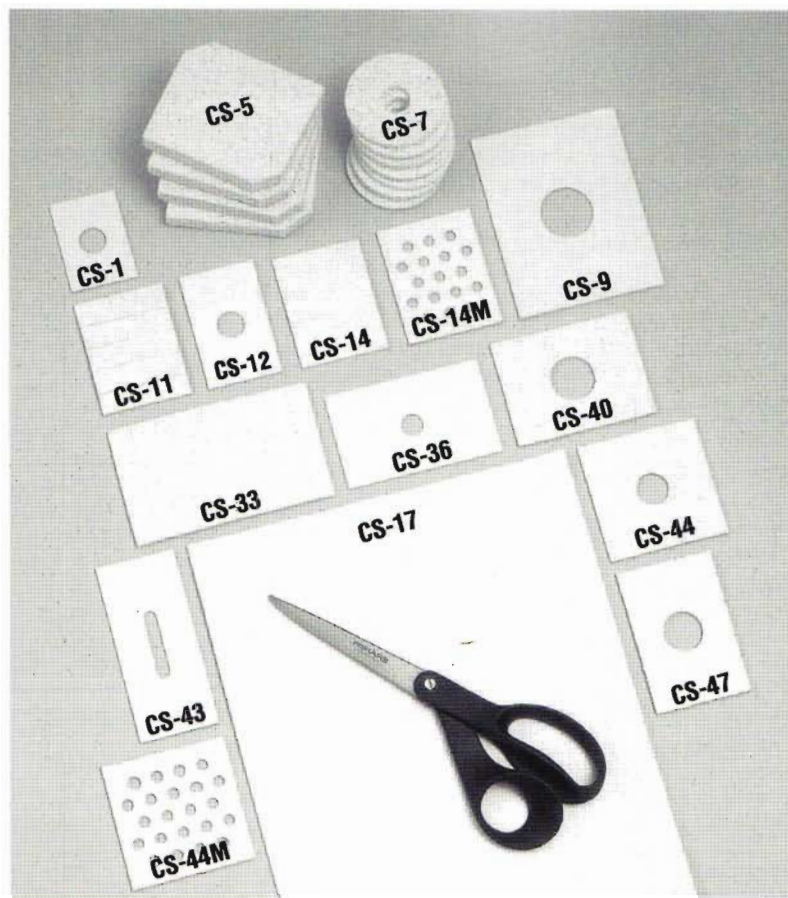
Der patentierte Plato® Lötspitzen-Reiniger TW-555 reinigt die Lötspitzen gründlich, ohne ihre Verzinnung zu beeinträchtigen.

Die Ersatzschwämme CS-7 können Sie der Schwamm-Tabelle entnehmen.

TW-555







Tip wiping sponges serve two main functions: to remove surface oxides which form on the tip, and to wipe the excess solder from the tip.

Plato sponges are manufactured with all natural materials to exacting specifications. Pure cellulose (a wood derivative) is used. Cellulose is selected for its ability to hold many times its weight in water and for its resistance to abrasion and tearing forces which occur during the tip wiping process. Plato sponges are designed to a thickness which will hold water for long periods of time and meet ANSI (J-STD-001B) for low sulphur content and fine porosity.

**CAUTION:** Do not use household sponges. These sponges contain colorings, sizings, plasticizers, stiffeners, and other contaminants which will promote detinning and short tip life.

Funktionen der Schwämme: Entfernung der Oxydation auf der Spitzenoberfläche und die Beseitigung überflüssigen Lötzinns auf der Spitze. Plato-Schwämme werden aus reiner Zellulose gefertigt, d.h. hohe Wasseraufnahmekapazität, Abriebs- und Zerreißfestigkeit. Unsere Schwämme sind dick genug, um Wasser für längere Zeit zu speichern. Niedriger Schwefelanteil und größte Porosität erfüllen die ANSI (J-STD-001B).

**ACHTUNG:** Benutzen Sie keine Haushaltsschwämme. Sie enthalten Farbstoffüberreste, Weichmacher, Verstärker und andere Verunreinigungen. Frühzeitige Entzinnung und kürzere Standzeiten sind die Folge.

**Plato® Premium**  
(Expands to/  
Ausdehnung  
auf 25,4 mm)

**Plato® Economy**  
(Expands to/  
Ausdehnung  
auf 16 mm)

Original Manufacturer's No. / Original Hersteller Nr.

Also used with  
auch zu verwenden für

Dimensions / Abmessung  
( ) = mm

|        |            |                                                                                                                |                                                     |               |                 |
|--------|------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------|-----------------|
| CS-1   | CS-1/625   | Weller® SP-60, Pace® 4021-0005.                                                                                | Lerloy #50                                          | 1.5" x 2.12"  | (38.1 x 53.8)   |
| CS-5   |            | American Beauty® 480S, Desco® 4101, Lerloy 65N.<br>(Shipped full size, 4 / pack. / Verpackungseinheit 4 Stück) | American Beauty #480                                | 2.63" x 3.2"  | (66.8 x 81.3)   |
| CS-7   |            | (Shipped full size, 7 / pack. / Verpackungseinheit 7 Stück)                                                    | Plato® TW-555 or TWH-444                            | 2.25" dia.    | (57.2 ø)        |
| CS-9   | CS-9/625   | Hexacon® 8101, 8101C, 8121 or 8121C.                                                                           | 890, 890-30, 892, 892-30                            | 3.5" x 4.5"   | (89 x 114.3)    |
| CS-11  | CS-11/625  | Plato® Vac-Kits, Hot Grips.                                                                                    |                                                     | 2" x 2.63"    | (50.8 x 66.8)   |
| CS-12  | CS-12/625  | Metcal® STSS-YS1.                                                                                              | WSI Workstand                                       | 1.7" x 2.7"   | (43.2 x 68.7)   |
| CS-14  | CS-14/625  | Weller® 52241999.                                                                                              | Weller® WCEP<br>WTCP, EC-2002                       | 2.15" x 2.75" | (54.6 x 70)     |
| CS-14M | CS-14M/625 | Same as CS-14 but with multiple holes.<br>Ähnlich CS-14, jedoch mit mehreren Löchern.                          |                                                     | 2.15" x 2.75" | (54.6 x 70)     |
| CS-17  | CS-17/625  | Plato® Sponge Sheet (1/pack, you cut to size).<br>Schwamm zum Selbst-Zuschneiden.                              |                                                     | 8.5" x 17"    | (216 x 432)     |
| CS-33  | CS-33/625  | Weller® EC-205.                                                                                                | MF20/21, 896MS, 892MS                               | 2.7" x 4.5"   | (69.85 x 114.3) |
| CS-36  | CS-36/625  | Hexacon® 8141, 8141C.                                                                                          | Hexacon® 892A Holder, MV15/16                       | 2.25" x 3.5"  | (57.2 x 89)     |
| CS-40  | CS-40/625  | Edsyn Loner® RS-199.                                                                                           | Holder / Halter SH-230                              | 2.5" x 3.25"  | (63.5 x 82.6)   |
| CS-43  | CS-43/625  | Hakko® 926-029B.                                                                                               | Holder / Halter 926, 700                            | 1.75" x 4.25" | (44.5 x 101.6)  |
| CS-44  | CS-44/625  | Hakko® 609-029, A-1042; Weller® TC-205; Ungar® 9904.                                                           | Hakko® Holder / Halter 631, 632,<br>607, 609, C-100 | 2.7" x 2.7"   | (68.6 x 68.6)   |
| CS-44M | CS-44M/625 | Same as CS-44 but with multiple holes.<br>Ähnlich CS-44, jedoch mit mehreren Löchern.                          |                                                     | 2.7" x 2.7"   | (68.6 x 68.6)   |
| CS-47  | CS-47/625  | Metcal® STSS-YS3, Ungar® 455, UTC234.                                                                          | Metcal® STSS-WS4, STDS-WS3,<br>STSS-WS5             | 2.1" x 3.2"   | (53.3 x 81.3)   |

All sponges are shipped compressed in packs of 10 unless otherwise noted. Dimensions in dry compressed state.

Alle Schwämme werden in 10er Packungen geliefert, wenn nicht anders vermerkt. Maße gemessen in trockenem, komprimiertem Zustand.



## 170, 170-SD, 170-SMD, 175, 175-SD, 1755 & 473

Assemblers love its effortless shearing action, comfort, light weight, and safety for electronics lead and wire cutting. Try a new experience in effortless lead cutting. Plato Shear has a longer cutting life than conventional cutters because it shears rather than bites, and cushioned handles provide daylong comfort. Plato Shear has a thin profile designed for those hard-to-get-at areas in electronic assembly where conventional cutters can't reach. Meets ANSI (J-STD-001B).

✓ Ergonomically designed. ✓ Reduces operator fatigue. ✓ Requires 50% less operator effort.

Der Anwender schätzt ihre mühelose Bedienung, das geringe Gewicht und die Sicherheit beim Schneiden von Anschlußdrähten. Gewinnen Sie neue Erfahrung im mühelosen Drahtschneiden. Plato-Shear hat eine längere Standzeit als herkömmliche Drahtschneider, denn sie schneidet, aber zwick nicht. Elastische kunststoffüberzogene Griffe erleichtern die Handhabung. Plato-Shear ist schmal, um auch an schwer zugängliche Stellen in elektronischen Geräten zu kommen, die herkömmliche Drahtschneider nicht erreichen. Nach Spezifikation ANSI (J-STD-001B).

✓ Ergonomisch gestaltet. ✓ Reduziert das Ermüden des Anwenders. ✓ Erfordert 50% weniger Kraft.

### PLATO-SHEAR 170

Flush cuts component leads as large as 18 AWG copper wire (.040" / 1.0 mm). Weighs 1.8 oz. (51 g) and is 5.15" (131 mm) long.

Schneidet Kupferdrähte bis 1,0 mm Ø. Gewicht 51 g, Länge 131 mm.

### PLATO-SHEAR 175

Same as Plato-Shear 170, but with a permanently attached safety guard that reduces the risk of lead fly-off.

Gleich wie die Plato-Shear 170, jedoch mit Sicherheitsklipp, um die Drahtenden festzuhalten.

### PLATO-SHEARS 170 SD & 175 SD – ESD SAFE



Same as Platoshear 170 & 175, but with permanently static dissipative plastic grips which meet DOD-STD-1686 and MIL-B-81705, Type 2.

Gleich wie die Plato-Shear 170 & 175, jedoch mit permanent statisch schutzwirksamen Handgriffen. Gemäß DOD-STD-1686 und MIL-B-81705, Typ 2.

### PLATO-SHEAR 170 SMD – ESD SAFE



For use in restricted areas. The low profile nose and narrow head, combined with a nose width of less than .025" (0.6 mm) per side enables cuts of SMD leads up to .020" (0.5 mm) diameter with openings between leads as small as .028" (0.7 mm). Includes unique SAF-T-LINK® feature for greater operator safety.

Zum Schneiden von Kupferdraht bis 0,6 mm Ø speziell für SMD-Kontakte bis maximal 1 mm Abstand, zwischen den Kontakten. Bedingt durch den Einsatz des exklusiven SAF-T-LINK®-Griffes, ist eine hohe Sicherheit des Anwenders gewährleistet.

### PLATO-BIG-SHEAR 1755

Cuts round and flat cable, co-ax, nickel, Kovar and other wire with a clean shearing cut that reduces cable cut-end distortion. And it is lightweight, only 2.5 oz. (71 g), significantly reducing operator fatigue. It is 5.82 inches (148 mm) in length.

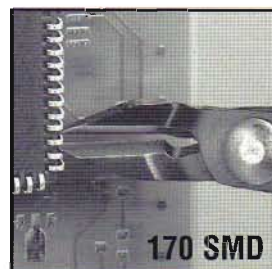
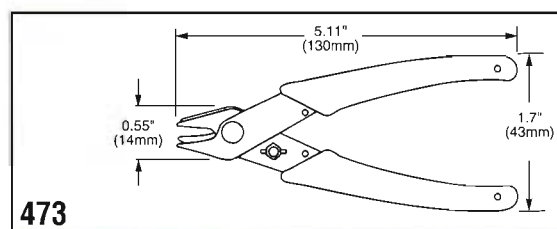
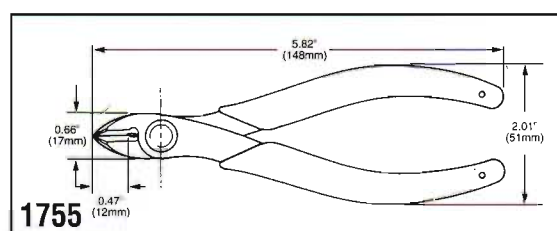
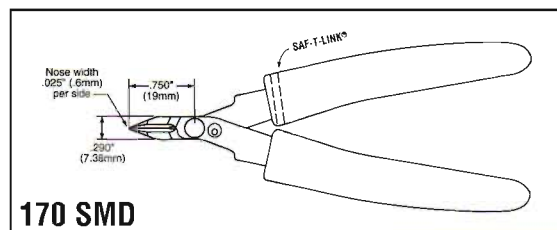
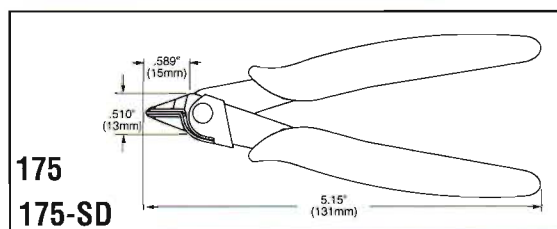
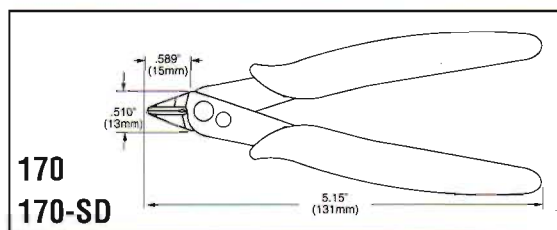
Schneidet runde und flache Kabel, Koaxialkabel, Nickel, Kovar, Feder- und andere Drähte mit einem sauberen Scherenschnitt ohne Deformation der Enden. Sie wiegt nur 71 g und ist 148 mm lang, dadurch erleichtert sich die Arbeit wesentlich.

### LEAD FORMER / MIKRO FORMER 473

**Forms standoffs in component leads. Meets ANSI (J-STD-001B)**

Form standoffs as close as .062" (1,6 mm) from the component body with a single squeeze. An adjustable screw sets the radius and depth of the bend. The tool's sturdy construction features a double-coil steel return spring and plastic-dip vinyl handles that fit in the palm of the hand. Model 473 forms wire up to .030" (0,8 mm) diameter.

Biegt ab 1,6 mm Abstand vom Bauelementkörper Bauteilbeinchen mit nur einem einzigen Zangendruck. Radius und Tiefe der Biegung werden mit einer Einstellschraube justiert. Die robuste Konstruktion ist mit einer doppelspuligen Rückholfeder aus Stahl versehen. Die Griffe aus Weich-PVC sichern bequeme Handhabung. Modell 473 für Drähte bis zu einem Ø von 0,8 mm.



170 SMD



175



# PLATO®

PLATO® Softweezer®

PLATO® Softweezer® – Pinzette

**Foam Cushion Grips Offer Comfort & Control**  
Aufgeschäumte Griffe bieten Komfort und Kontrolle



- ✓ Improves operator control.
- ✓ Ergonomically designed.
- ✓ Reduces fatigue.
- ✓ Lightweight - well balanced.
- ✓ Clean room safe - ESD safe.
- ✓ Verbettert die Kontrolle des Bedieners.
- ✓ Ergonomisches Griffdesign.
- ✓ Reduziert das Ermüden der Hand.
- ✓ Geringes Gewicht - ausbalancierte Gewichtsverteilung.
- ✓ Reinraum sicher - ESD sicher.

Stainless steel

–

Anti-magnetic

–

ACID resistant

–

Made in Switzerland

Style 1

TZS-500-1

Style 2A

TZS-501-2A

Style 3C

TZS-502-3C

Style 5

TZS-505-5

Style 7

TZS-508-7

Style AA

TZS-512-AA

Style 00

TZS-511-00

Style 15A-GW

TZS-514-AW



## SP-150-T / SP-150-T-P & SP-750-T / SP-750-T-P

### PRECISION TEMPERATURE CONTROLLED $\pm 5^\circ \text{F}$ ( $\pm 2,75^\circ \text{C}$ )

Plato's Solder Pots exceed the requirements of military specification ANSI (J-STD-001B). The pots control temperatures to  $\pm 5^\circ \text{F}$  ( $\pm 2,75^\circ \text{C}$ ) of a preselected setting from ambient to  $399^\circ \text{C}$  /  $496^\circ \text{C}$  and have an LCD temperature display.

#### Standard features include:

- ✓ A new solid state controller that limits transient voltage spiking to 2mV peak-to-peak, or less, for voltage sensitive components.
- ✓ A temperature preset switch to select the desired temperature.
- ✓ An LCD that displays preset temperature and operating temperature.
- ✓ Internal circuitry to compensate for incoming power fluctuations, power line circuit breaker.
- ✓ All metal construction for ESD protection.
- ✓ Safety heat shield.
- ✓ Removable dross tray for easy cleaning.
- ✓ Three-wire, grounded UL listed cord.
- ✓ An output jack for external temperature recorder or data logger.
- ✓ CE
- ✓ Adjustable leveling feet.
- ✓ Porcelain crucible available (see opposite page).

#### SP-150-T / SP-150-T-P Additional Features:

- ✓ 2.5" (64 mm) diameter by 1.5" (38 mm) deep crucible.
- ✓ Capacity: 2.0 lbs. (1 kg).
- ✓ Shipping weight: 12 lbs. (5,4 kg).

#### SP-750-T / SP-750-T-P Additional Features:

- ✓ Large capacity crucible, 4" (102 mm) by 6" (152 mm) by 4" (102 mm) deep.
- ✓ Safety warm-up crucible cover.
- ✓ Capacity: 32 lbs. (14 kg).
- ✓ Shipping weight: 45 lbs. (20 kg).

Replacement parts list and prices on request.

### LÖTTOPF MIT PRÄZISIONS-TEMPERATURREGELUNG $\pm 2,75^\circ \text{C}$

Zuverlässige Temperaturüberwachung, die Spannungsspitzen auf 2 Millivolt begrenzt. Die Plato Löttopf Modelle SP-150-T/P und SP-750-T/P übertreffen in ihren Leistungen die neue Spezifikation ANSI (J-STD-001B). Temperaturregelung mit einer Maximalabweichung von  $\pm 2,75^\circ \text{C}$  von der vorgewählten Einstellung im Bereich von Raumtemperatur bis  $399^\circ \text{C}$  /  $496^\circ \text{C}$ . Mit LCD-Anzeige.

#### Technische Merkmale:

- ✓ Neue Solid-state-Überwachung, die Spannungsspitzen auf 2 Millivolt von Spitze zu Spitze begrenzt.
- ✓ Temperaturvorwahlschalter zur Einstellung der gewünschten Temperatur.
- ✓ Eine LCD-Anzeige zeigt die eingestellte Temperatur und die Betriebstemperatur an.
- ✓ Innerer Stromkreis zum Ausgleich auftretender Stromschwankungen und ein Netz-Trennschalter.
- ✓ Eine Allmetallkonstruktion zum Schutz vor elektrostatischen Entladungen.
- ✓ Sicherheitsabschirmung.
- ✓ Abnehmbarer Schlackenring für leichtes Reinigen.
- ✓ Kabel Schutzgeerdet.
- ✓ Eine Ausgangsbuchse für externen Temperaturrekorder oder Datenlogger.
- ✓ CE
- ✓ Höhenverstellbare Nivellierfüße.
- ✓ Porzellanisierter Löttopf-Einsatz. (siehe gegenüberliegende Seite).

#### SP-150-T / SP-150-T-P weitere technische Merkmale:

- ✓ Schmelztiegel Ø 64 mm, Tiefe 38 mm.
- ✓ Kapazität: 1 kg.
- ✓ Versandgewicht: 5,4 kg.

#### SP-750-T / SP-750-T-P weitere technische Merkmale:

- ✓ Schmelztiegel 102 mm x 152 mm, Tiefe 102 mm.
- ✓ Sicherheitsaufwärmdeckel für den Schmelztiegel.
- ✓ Kapazität: 14 kg.
- ✓ Versandgewicht: 20 kg.

Ersatzteile auf Anfrage.



SP-150-T & SP-150-T-P



SP-750-T & SP-750-T-P



DROSS SKIMMER SP-1200

| Model      | Input    | Wattage  | Temperature Range ambient to    |
|------------|----------|----------|---------------------------------|
| Modell     | Spannung | Leistung | Temperatur-Regelbereich ca. bis |
| SP-150-T   | 240 VAC  | 350      | 925° F ( 496° C )               |
| SP-150-T-P | 240 VAC  | 350      | 925° F ( 496° C )               |
| SP-750-T   | 240 VAC  | 1000     | 750° F ( 399° C )               |
| SP-750-T-P | 240 VAC  | 1000     | 750° F ( 399° C )               |



## SP-201 / SP-201-P & SP-401 / SP-401-P

### GENERAL PURPOSE $\pm 11^\circ\text{F}$ ( $\pm 6^\circ\text{C}$ )

Plato General Purpose Solder Pots control temperature to  $\pm 11^\circ\text{F}$  ( $\pm 6^\circ\text{C}$ ) through the use of a thermal timer switch with automatic correction for voltage fluctuations.

Proven features include:

- ✓ A three index position control switch with infinitely variable temperature control.
  - ✓ Safety heat shield.
  - ✓ Removable dross tray for easy cleaning.
  - ✓ Three-wire, grounded UL listed cord.
  - ✓ 2.5" (64 mm) diameter by 1.5" (38 mm) deep crucible.
  - ✓ Adjustable leveling feet.
  - ✓ **CE**
  - ✓ Capacity: 2.0 lbs (1 kg)
  - ✓ All parts are easily replaceable including the heating element and control switch.
  - ✓ Shipping weight: 11 lbs (5 kg).
- Replacement parts list and prices on request.

### MEHRZWECK-LÖTTOPF $\pm 6^\circ\text{C}$

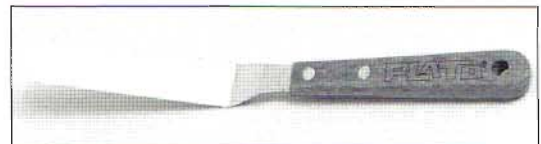
Plato-Mehrzweck-Lötöpfe mit präziser Temperaturregelung  $\pm 6^\circ\text{C}$  durch einen Thermostatschalter mit automatischer Korrektur bei Spannungsschwankungen.

Diese Lötöpfe zeichnen sich durch die bewährten Merkmale aus:

- ✓ Ein Hitzeschutzschild schützt den Löttopf, außer Schmelztiegel und Schlackenring, kann jedes Teil berührt werden.
  - ✓ 3-Stufen-Schalter mit stufenloser Temperaturregelung.
  - ✓ Falls erforderlich, können alle Ersatzteile problemlos ausgetauscht werden, Heizelemente und Steuerschalter eingeschlossen.
  - ✓ Tiegel-Ø 64 mm, Tiefe 38 mm.
  - ✓ Abnehmbarer Schlackenring für leichteres Reinigen.
  - ✓ Kabel schutzgeerdet., 170 cm lang.
  - ✓ **CE**
  - ✓ Kapazität: 1 kg.
  - ✓ Höhenverstellbare Nivellierfüße.
  - ✓ Versandgewicht: 5 kg.
- Ersatzteile auf Anfrage.



SP-201, SP-201-P, SP-401, SP-401-P



DROSS SKIMMER SP-1200

| Model    | Input    | Wattage  | Temperature Range ambient to    |
|----------|----------|----------|---------------------------------|
| Modell   | Spannung | Leistung | Temperatur-Regelbereich ca. bis |
| SP-201   | 240 VAC  | 350      | 500° - 975 F ( 525° C )         |
| SP-201-P | 240 VAC  | 350      | 500° - 975 F ( 525° C )         |
| SP-401   | 240 VAC  | 500      | 500° - 1100 F ( 595° C )        |
| SP-401-P | 240 VAC  | 500      | 500° - 1100 F ( 595° C )        |

### PORCELAINIZED SOLDER POT CRUCIBLE OPTION!

Plato's porcelainized solder pot crucible is available as an option for each of its standard solder pots.

- ✓ The porcelainized crucible is easy to clean and offers a long service life.
- ✓ Solder will not adhere to the porcelainized surface, which allows for easier maintenance.
- ✓ The non-reactive crucible will not rust and actively resists corrosion when used with activated fluxes and chemicals.

To order any Plato's® solder pot with porcelainized crucible, add the letter "P" to the part number.

For example: SP-201 becomes SP-201-P.

### PORZELLANISIERTER LÖTTOPF-EINSATZ!

Als Option bietet Plato für jeden Löttopf einen mit Porzellan überzogenen Löttopf-Einsatz an.

- ✓ Der porzellanisierte Löttopf ist einfach zu reinigen und hat eine lange Lebensdauer.
- ✓ Lot bleibt nicht kleben an der porzellanisierten Oberfläche, was eine einfachere Wartung erlaubt.
- ✓ Beim Einsatz von aktiven Flußmitteln oder Chemikalien bildet sich, bedingt durch die Porzellanoberfläche, keine Korrosion.

Um einen Löttopf mit porzellanisiertem Einsatz zu bestellen, bitte den Buchstaben „P“ der Bestellnummer beifügen. Zum Beispiel: SP-201 wird SP-201-P.



SP-1103P

SPT-209P



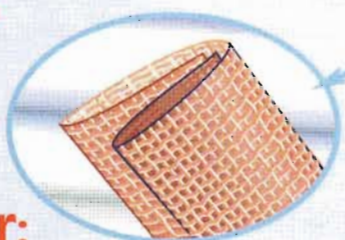
# PLATO®

# Matrix®

## DESOLDERING RIBBON...REVOLUTIONIZES REWORK AND REPAIR

**Plato® Matrix® ribbon is made of four layers of fine woven copper:**

- Faster than braided wick
- Removes more solder per centimeter (inch)
- Leaves pads cleaner
- Increases productivity
- 3 widths available with:
  - Rosin Flux
  - No-Clean Flux
  - Bare Copper – No Flux



**Innovative dispenser makes work easier and safer:**

- Flexible spring guide provides pin-point placement of ribbon
- Fingers are kept away from heat
- Protects work from contamination
- Clean-room safe
- Permanently static dissipative



Plato® Matrix® is a desoldering ribbon made from precision copper screen wire mesh. It's geometrically-optimized design removes more solder, faster than conventional braided wick, resulting in less heat stress to the board and greater operator efficiency and satisfaction.



In field tests, operators prefer Plato® Matrix® performance, as well as the unique Matrix® dispensing tool. The dispenser permits accurate placement while keeping fingers safe from heat.

### MATRIX® R (Type "R" Flux)

### MATRIX® NC (No Clean Flux)

### MATRIX® B (Bare Copper – No Flux)

| Part No. | Part No. | Part No. | Color Code | Width & Length        |
|----------|----------|----------|------------|-----------------------|
| MR2-2.5  | MNC2-2.5 | MB2-2.5  | Yellow     | 1.25mm (.050") x 2.5m |
| MR3-2.5  | MNC3-2.5 | MB3-2.5  | Green      | 1.90mm (.075") x 2.5m |
| MR4-2.5  | MNC4-2.5 | MB4-2.5  | Blue       | 2.38mm (.095") x 2.5m |

2.5m per dispenser • 10 dispensers/pack

**PLATO® MATRIX® DESOLDERING RIBBON IS PACKED IN A RESEALABLE ZIPPER BAG**

PLATO® Products GmbH Europe • Esselbachstr. 26 • D-75438 Knittlingen

Tel.: +49(0) 70 43-30 74 • Fax: +49(0) 70 43-3 18 60

<http://www.platoproducts.com> • E-Mail: [platoproducts@vobaplus.de](mailto:platoproducts@vobaplus.de)

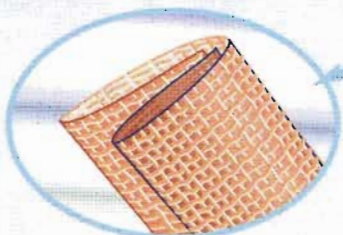


# PLATO®

# Matrix®

## Entlöt-Band, die Revolution für Nacharbeit und Reparatur

**PLATO® Matrix®**  
Band ist hergestellt aus vier  
Lagen feinstem  
Kupfergeflecht



- Arbeitet schneller als geflochtenes Wick
- Entfernt mehr Lot pro cm Verbrauch als herkömmliches Wick
- Mehr Sauberkeit auf dem Bauteil
- Erhöht die Produktivität
- Lieferbar in 3 Breiten mit
  - Rosin Flußmittel
  - no-clean Flußmittel
  - ohne Flußmittel

**Der innovative Dispenser**  
gestaltet die Arbeit  
einfacher und sicherer:

- Die flexible Stahlfeder erlaubt punktgenaues Ansetzen
- Eine Verletzung der Finger durch Hitzeeinwirkung wird verhindert
- Keine Kontamination
- Reinraumsicher
- ESD-sicher



Plato® Matrix® Entlöt-Band ist hergestellt aus präzisiertem Kupfergeflecht. Das Geflecht ist geometrisch optimiert, daher entfernt es mehr Lot in kürzerer Zeit als herkömmliches Wick. Außerdem tritt weniger Hitzebelastung der Bauteile auf, der Anwender arbeitet effizienter.

Anwender haben in Tests die Vorteile des Plato® Matrix® Geflechts und des einmaligen Dispensers erkannt. Der Dispenser erlaubt punktgenaues Ansetzen und schützt die Finger vor der Hitze.

### MATRIX® R

("R" Flußmittel)

### MATRIX® NC

(no-clean Flußmittel)

### MATRIX® B

(ohne Flußmittel)

| Artikel-Nr. | Artikel-Nr. | Artikel-Nr. | Farb-Code | Breite x Länge |
|-------------|-------------|-------------|-----------|----------------|
| MR2-2,5     | MNC2-2,5    | MB2-2,5     | gelb      | 1,25mm x 2,5m  |
| MR3-2,5     | MNC3-2,5    | MB3-2,5     | grün      | 1,90mm x 2,5m  |
| MR4-2,5     | MNC4-2,5    | MB4-2,5     | blau      | 2,38mm x 2,5m  |

2,5m pro Dispenser • 10 Dispenser pro Verpackung

**PLATO® Matrix® Entlöt-Band ist verpackt in wiederverschließbarem Beutel.**

PLATO® Products GmbH Europe • Esselbachstr. 26 • D-75438 Knittlingen

Tel.: +49(0) 70 43-30 74 • Fax: +49(0) 70 43-3 18 60

<http://www.platoproducts.com> • E-Mail: [platoproducts@vobaplus.de](mailto:platoproducts@vobaplus.de)



## Plato®-Wick XL

Plato®-Wick XL is designed for quick and safe desoldering of printed circuit board components, terminals, lugs, wire wrap pins, and removing bridges, icicles and unwanted solder.

- ✓ Quick, clean pick-up because the fine gauge copper braid transfers heat to the connection faster, greatly reducing desoldering time.
- ✓ Leaves minimal residue therefore minimizing the need for post cleaning.
- ✓ The design of Plato-Wick XL absorbs a greater volume of solder than conventional wick and it works at a lower temperature because of its reduced mass.
- ✓ The combination of fast action and lower temperature results in greater operator comfort and reduced risk of heat damage to components.
- ✓ Pure white rosin flux meets MIL-F-14256D, Type R.
- ✓ Color-coded containers.
- ✓ Sizes for all applications.

**Plato®-Wick XL zum Entlöten in gedruckten Schaltungen. Zum Entfernen von Zinnperlen, Zinnbrücken und unerwünschtem Lot an Wire Wrap Stiften, IC's und ähnlichem.**

- ✓ Schnelles, einfaches Entlöt-Verfahren, aufgrund des feineren Kupfergeflechts wird die Wärme schneller auf die zu entlötende Verbindung übertragen, dadurch spart man Entlötzeit.
- ✓ Die Plato-Wick- XL-Ausführung kann ein größeres Lotvolumen aufnehmen als die herkömmliche Entlötlitze.



- ✓ Durch den geringen Umfang der Litze kann man sogar mit weniger Wärme entlöten.
- ✓ Durch die Kombination von schnellerem Entlötprozeß und weniger Wärme ergibt sich eine bessere Bedienungshandhabung und reduziert das Risiko der Überhitzung am Bauelement.
- ✓ Entspricht der Flußmittel-Spezifikation MIL-F-14256D, Typ R.
- ✓ Rollen haben Farb-Code-Markierungen.
- ✓ Lieferbar in Größen für alle Anwendungsfälle.

**ESD Bobbins / Rollen**  
**Plato-Wick XL**  
5' (1,5 m) Rolls

| Plato® | Width<br>Breite |
|--------|-----------------|
| XL-1-5 | .030" (0,8 mm)  |
| XL-2-5 | .060" (1,5 mm)  |
| XL-3-5 | .085" (2,15 mm) |
| XL-4-5 | .100" (2,5 mm)  |
| XL-5-5 | .145" (3,7 mm)  |

**ESD Bobbins / Rollen**  
**Plato-Wick XL**  
10' (3,0 m) Rolls

| Plato®  | Width<br>Breite |
|---------|-----------------|
| XL-1-10 | .030" (0,8 mm)  |
| XL-2-10 | .060" (1,5 mm)  |
| XL-3-10 | .085" (2,15 mm) |
| XL-4-10 | .100" (2,5 mm)  |
| XL-5-10 | .145" (3,7 mm)  |

**Plato-Wick XL**  
25' (7,6 m) Rolls

| Plato®  | Width<br>Breite |
|---------|-----------------|
| XL-1-25 | .030" (0,8 mm)  |
| XL-2-25 | .060" (1,5 mm)  |
| XL-3-25 | .085" (2,15 mm) |
| XL-4-25 | .100" (2,5 mm)  |
| XL-5-25 | .145" (3,7 mm)  |

**Plato-Wick XL**  
100' (30,5 m) Rolls

| Plato®   | Width<br>Breite |
|----------|-----------------|
| XL-1-100 | .030" (0,8 mm)  |
| XL-2-100 | .060" (1,5 mm)  |
| XL-3-100 | .085" (2,15 mm) |
| XL-4-100 | .100" (2,5 mm)  |
| XL-5-100 | .145" (3,7 mm)  |

**Plato-Wick XL**  
500' (152,5 m) Rolls

| Plato®   | Width<br>Breite | Color-Code<br>Farb-Code |
|----------|-----------------|-------------------------|
| XL-1-500 | .030" (0,8 mm)  | white / weiß            |
| XL-2-500 | .060" (1,5 mm)  | yellow / gelb           |
| XL-3-500 | .085" (2,15 mm) | green / grün            |
| XL-4-500 | .100" (2,5 mm)  | blue / blau             |
| XL-5-500 | .145" (3,7 mm)  | brown / braun           |

## Plato®-Wick XLNC

**Fast Wicking Action –**

**No Post Cleaning Required – ESD Safe**



Plato's no clean wick is specially formulated to improve wicking action and remove solder faster than conventional wick. Any remaining residue is halide free and non-conductive; post cleaning is generally not required. Since Plato®-Wick XLNC absorbs solder faster, dwell time per solder joint is reduced, shortening the time necessary for the operator to complete the task which limits risk of heat damage to the product being repaired.

New Plato®-Wick XLNC no clean wick is the operator's #1 choice. Competitively priced. Available in 5' (1.5 m) and 10' (3.0 m) ESD safe spools, vacuum sealed in packs of 10 to insure freshness.

- ✓ Fast Wicking Action.
- ✓ Requires No Post Cleaning.
- ✓ ESD Safe Bobbins.
- ✓ Meets Bellcore TR-NWT-000078 and IPC-SF-818 Specifications.

**Schnelles Entlöten – Nachreinigung nahezu unnötig – Permanent statisch schutzwirksame Hülle**



Plato®-Wick XLNC speziell hergestellt zum schnelleren Entfernen vom Lot. Verbleibende Rückstände sind halogenfrei und nicht leitend. Ein Nachreinigen kann in der Regel entfallen, da Plato®-Wick XLNC das Lot schneller absorbiert, wird zum einen die Entlötzeit reduziert, zum anderen wird auch die Gefahr der Bauteilüberhitzung vermindert. ESD-Rollen, vakuumverpackt - Verpackungseinheit 10 Stück. Plato®-Wick XLNC ist die Nummer 1 des Anwenders. Gutes Preis-Leistungsverhältnis, lieferbar in 5' (1,5 m) und 10' (3,0 m) permanent statisch schutzwirksamen Rollen. 10 Stück vakuumverpackt, dadurch ist eine lange Haltbarkeit gesichert.

- ✓ Schneller Entlötvorgang.
- ✓ Nachreinigen in der Regel nicht notwendig.
- ✓ Hülle permanent statisch schutzwirksam.
- ✓ Nach Bellcore TR-NWT-000078 und IPC-SF-818 Spezifikation.

Plato®-Wick XLNC – No Clean Wick



**ESD Bobbins / Rollen**  
**Plato-Wick No Clean XLNC**  
5' (1,5 m) Rolls

| Plato®   | Width<br>Breite |
|----------|-----------------|
| XLNC-1-5 | .030" (0,8 mm)  |
| XLNC-2-5 | .060" (1,5 mm)  |
| XLNC-3-5 | .085" (2,15 mm) |
| XLNC-4-5 | .100" (2,5 mm)  |
| XLNC-5-5 | .145" (3,7 mm)  |

| Color-Code<br>Farb-Code |
|-------------------------|
| white / weiß            |
| yellow / gelb           |
| green / grün            |
| blue / blau             |
| brown / braun           |

**ESD Bobbins / Rollen**  
**Plato-Wick No Clean XLNC**  
10' (3,0 m) Rolls

| Plato®    | Width<br>Breite |
|-----------|-----------------|
| XLNC-1-10 | .030" (0,8 mm)  |
| XLNC-2-10 | .060" (1,5 mm)  |
| XLNC-3-10 | .085" (2,15 mm) |
| XLNC-4-10 | .100" (2,5 mm)  |
| XLNC-5-10 | .145" (3,7 mm)  |

| Color Code<br>Farb-Code |
|-------------------------|
| white / weiß            |
| yellow / gelb           |
| green / grün            |
| blue / blau             |
| brown / braun           |



**Plato® Stat permanently static dissipative products provide electrostatic discharge protection**  
**Plato® Permanent statisch schutzwirksame Produkte zum Schutz gegen elektrostatische Entladung**

**Meets ANSI (J-STD-001B)** 

- ✓ Protects voltage sensitive devices from static discharge.
- ✓ Meets the requirements of DOD-STD-1686 for containers.
- ✓ Physical characteristics comply with MIL-B-81705, Type 2.
- ✓ Made of permanently static dissipative plastic material.
- ✓ Spannungsempfindliche Vorrichtungen werden gegen elektrostatische Entladungen geschützt.
- ✓ DOD-STD-1686-Bestimmungen für Behälter sind erfüllt.
- ✓ Die physikalischen Eigenschaften entsprechen den Vorschriften MIL-B-81705, Typ 2.
- ✓ Hergestellt aus permanent statisch schutzwirksamen Kunststoff.



| Plato®<br>Plato® | Description<br>Beschreibung                                                                                                                       | Use<br>Anwendung                                                                                                                                                                                          |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SF-01            | Flux dispenser, 2 oz. (59 ml), 0.10" (0,25 mm) ID capillary, 1" (25 mm) long.<br>Flußmittel-Dosierer 59 ml, Kapillar-Innen-Ø 0,25 mm, 25 mm lang. | Dispense water base fluxes, low viscosity liquids.<br>Dosieren von wasserlöslichen Flußmitteln, Flüssigkeiten mit niedriger Viskosität.                                                                   |
| SF-02            | Flux dispenser, 2 oz. (59 ml), 0.20" (0,50 mm) ID capillary, 1" (25 mm) long.<br>Flußmittel-Dosierer 59 ml, Kapillar-Innen-Ø 0,5 mm, 25 mm lang.  | Dispense rosin fluxes, lubricants, cleaners, adhesives.<br>Dosieren von Kunstharz-flußmitteln, Schmier-, Reinigungs- und Klebemitteln.                                                                    |
| SF-B2HH          | Scrub brush flux dispenser, 2 oz. (59 ml), brush is stiff, natural hog bristle.<br><br>Pinsel-Flußmittel-Dosierer 59 ml, harte Naturborsten.      | Medium to stiff bristle that works well for removing difficult, sticky, crusty, or viscous materials.<br>Harte Borsten, zum Entfernen von schwierigen klebrigen, krustigen oder zähflüssigen Materialien. |
| SF-B2HS          | Scrub brush flux dispenser, 2 oz. (59 ml), brush is soft, natural horse hair.                                                                     | Soft to medium stiffness, durable and works well for flux removal and general cleaning.                                                                                                                   |
| SF-B2HS          | Pinsel-Flußmittel-Dosierer 59 ml, weiches Roßhaar.                                                                                                | Weiches Roßhaar, abnutzungsfest und dauerhaft einsetzbar zum Entfernen von Flußmittel, oder zur allgemeinen Reinigung.                                                                                    |
| SF-4             | Solvent Dispenser Sleeve, 4 oz. (118 ml),<br>Schutzhülle für Spender 118 ml.                                                                      | Fits over solvent dispenser CP-40<br>Passend für Lösungsmittel-Spender CP-40                                                                                                                              |
| SF-6             | Solvent Dispenser Sleeve, 6 oz. (177 ml),<br>Schutzhülle für Spender 177 ml.                                                                      | Fits over solvent dispenser CP-60<br>Passend für Lösungsmittel-Spender CP-60                                                                                                                              |
| SF-8             | Solvent Dispenser Sleeve, 8 oz. (237 ml)<br>Schutzhülle für Spender 237 ml.                                                                       | Fits over solvent dispenser CP-80<br>Passend für Lösungsmittel-Spender CP-80                                                                                                                              |

| Plato®<br>Plato® | Description<br>Beschreibung                                                                                                                                                                                                                       | Use<br>Anwendung                                                                                                                                    |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| SF-401           | Bottle and spout, 4 oz. (118 ml).<br>Flasche und Hülle 118 ml.                                                                                                                                                                                    | Dispense liquids.<br>Dosieren von Flüssigkeit.                                                                                                      |
| SF-801           | Bottle and spout, 8 oz. (237 ml).<br>Flasche und Hülle 237 ml.                                                                                                                                                                                    | Dispense liquids.<br>Dosieren von Flüssigkeit.                                                                                                      |
| SF-1601          | Bottle and spout, 16 oz. (473 ml).<br>Flasche und Hülle 473 ml.                                                                                                                                                                                   | Dispense liquids.<br>Dosieren von Flüssigkeit.                                                                                                      |
| SF-250           | Bottle and nozzle, 8 oz. (237 ml).<br>Flasche mit Düse 237 ml.                                                                                                                                                                                    | Dispense liquids.<br>Dosieren von Flüssigkeit.                                                                                                      |
| 170-SMD          | Platoshear SMD Lead Cutters.<br><br>Platoshear für SMD-Kontakte                                                                                                                                                                                   | For restricted areas. Will cut between leads .040"/1mm center to center.<br>Schneidet SMD-Kontakte bis minimum 1 mm Abstand zwischen den Kontakten. |
| 170 SD           | Platoshear Lead Cutters with static dissipative grips.<br>Platoshear Drahtschneider mit permanent statisch schutzwirksamen Griffen.                                                                                                               | Flush cut leads as large as 18 AWG (.04"/1mm).<br>Zum Schneiden von Anschlußdrähten bis 1,0 mm Ø.                                                   |
| 175-SD           | Platoshear Lead Cutters with static dissipative grips and safety guard to reduce risk of lead fly-off.<br>Platoshear Drahtschneider mit permanent statisch schutzwirksamen Griffen und Sicherheitsklipp zum Schutz gegen wegfliegende Drahtenden. | Flush cut leads as large as 18 AWG (.04"/1mm).<br><br>Zum Schneiden von Anschlußdrähten bis 1,0 mm Ø.                                               |
| CP-40            | Solvent Dispenser, 118 ml<br>Lösungsmittel-Spender 118 ml.                                                                                                                                                                                        | Dispense liquids.<br>Dosieren von Lösungsmitteln.                                                                                                   |
| CP-60            | Solvent Dispenser, 177 ml<br>Lösungsmittel-Spender 177 ml.                                                                                                                                                                                        | Dispense liquids.<br>Dosieren von Lösungsmitteln.                                                                                                   |
| CP-80            | Solvent Dispenser, 237 ml.<br>Lösungsmittel-Spender 237 ml.                                                                                                                                                                                       | Dispense liquids.<br>Dosieren von Lösungsmitteln.                                                                                                   |



## Plato® Brush Scrub Bottle Plato® Flüssigkeitsdosierer mit Pinsel

MEETS ANSI  
(J-STD-001B)

- Handy 2 oz. (59 ml) polyethylene, solvent dispenser with scrub brush provides an inexpensive method to spot clean PCB assemblies. Unique control mechanism allows for precise dispensing of a wide variety of solvents without dripping or waste.
- Dieser praktische Flüssigkeitsdosierer mit Pinsel ist eine preiswerte Methode, um Leiterplatten sauber zu halten. Viele verschiedene Flüssigkeiten können gezielt (ohne Tropfen) aufgebracht werden.

### Brush Scrub Bottle Flüssigkeitsdosierer mit Pinsel

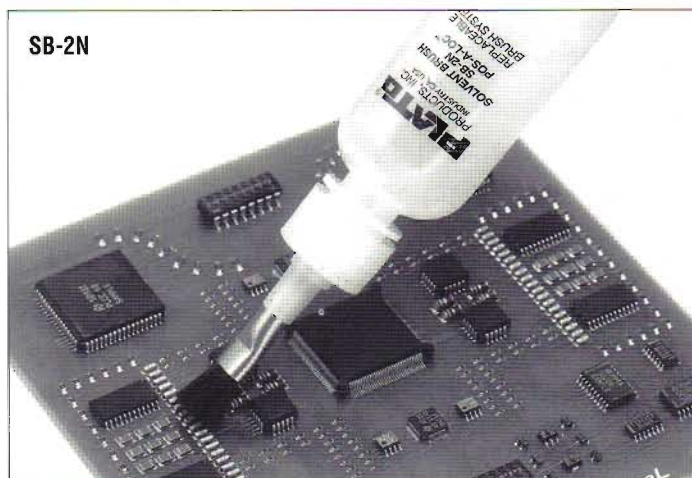
| Plato®<br>Plato® | Applicator Brush Type<br>Art der Pinsel-Type | General Application<br>Anwendungen |
|------------------|----------------------------------------------|------------------------------------|
|------------------|----------------------------------------------|------------------------------------|

|       |               |                                                    |
|-------|---------------|----------------------------------------------------|
| SB-2N | Nylon Bristle | Medium stiffness, for general flux removal.        |
|       | Nylon Pinsel  | Durchschnittliche Härte für Flußmittelbeseitigung. |

|         |                             |                                                                                                                                                                                               |
|---------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SF-B2HH | Stiff, Natural Hog Bristle. | Medium to stiff bristle, that works well for removing difficult, sticky, crusty, or viscous materials. Combination of static dissipative jacket and natural material meets ANSI (J-STD-001B). |
|         | Naturborsten-Pinsel / hart  | Harte Borsten, zum Entfernen von schwierigen, klebrigen, krustigen oder zähflüssigen Materialien. Flasche in antistatischer Ausführung.                                                       |

|         |                                       |                                                                                                                                                                                |
|---------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SF-B2HS | Soft, Natural Horse Hair              | Soft to medium stiffness, durable and works well for flux removal and general cleaning. Combination of static dissipative jacket and natural material meets ANSI (J-STD-001B). |
|         | Naturborsten-Pinsel / weiches Roßhaar | Weiches Roßhaar, abnutzungsfest und dauerhaft einsetzbar zum Entfernen von Flußmittel, oder zur allgemeinen Reinigung. Flasche in antistatischer Ausführung.                   |

SB-2N



### Replacement Brush Assemblies Ersatz-Pinsel

| Plato®<br>Plato® | Brush Type<br>Pinsel-Type |
|------------------|---------------------------|
|------------------|---------------------------|

|      |               |                                                               |
|------|---------------|---------------------------------------------------------------|
| SB-N | Nylon Bristle | All replacement brushes are packaged 10 pieces per pack.      |
|      | Nylon Pinsel  | Alle Ersatz-Pinsel werden in Packungen zu 10 Stück geliefert. |

|       |                            |                                                                   |
|-------|----------------------------|-------------------------------------------------------------------|
| SB-HH | Stiff, Natural Hog Bristle | All replacement brushes are packaged 10 pieces per pack.          |
|       | Naturborsten-Pinsel / hart | Alle Ersatzteil-Pinsel werden in Packungen zu 10 Stück geliefert. |

|       |                                       |                                                                   |
|-------|---------------------------------------|-------------------------------------------------------------------|
| SB-HS | Soft, Natural Horse Hair              | All replacement brushes are packaged 10 pieces per pack.          |
|       | Naturborsten-Pinsel / weiches Roßhaar | Alle Ersatzteil-Pinsel werden in Packungen zu 10 Stück geliefert. |



## Plato® Flux and Liquid Dispensers Plato® Flußmittel- und Flüssigkeits-Dosierer

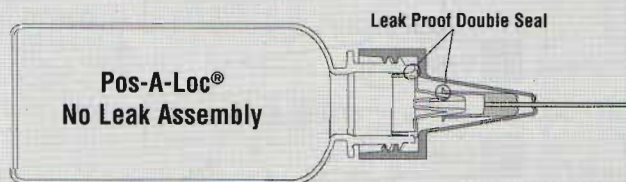
MEETS ANSI  
(J-STD-001B)

### UNIQUE, NO LEAK DESIGN!

Plato's new POS-A-LOC® leak proof liquid dispensers offer a convenient way to dispense specific amounts of a variety of liquids without dripping, spilling or waste.

### AUSLAUFSICHERE DOSIERFLASCHEN!

Mit den neuen POS-A-LOC® - auslaufsicheren Dosierflaschen können Sie preiswert Flußmittel und Flüssigkeiten - ohne Tropfen - auf die Leiterplatte aufbringen.

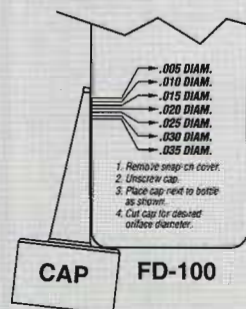


### Flux Dispensers Flußmittel-Dosierer

| Plato®<br>Plato® | Capillary ID<br>Kapillar-Innen-Ø                                         | Size<br>Inhalt                                                                                    |
|------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| FD-006           | .006" (0,15 mm)                                                          | 2 oz. (59 ml)                                                                                     |
| FD-2             | .020" (0,50 mm)                                                          | 2 oz. (59 ml)                                                                                     |
| SF-02            | .020" (0,50 mm)                                                          | 2 oz. (59 ml)  |
| FD-21            | .010" (0,25 mm)                                                          | 2 oz. (59 ml)                                                                                     |
| SF-01            | .010" (0,25 mm)                                                          | 2 oz. (59 ml)  |
| FD-100           | .005" - .035"<br>(0,13 - 0,90 mm)                                        | 2 oz. (59 ml)                                                                                     |
|                  | Cap: Cut-to Size / Kappe: zum Selbstzuschneiden                          |                                                                                                   |
| FDC-1            | Replacement Cap Assembly to fit FD-100<br>Ersatzkappe passend für FD-100 |                                                                                                   |

### Liquid Dispensers Flüssigkeits-Dosierer

| Plato®<br>Plato® | Size<br>Inhalt                                                                                     |
|------------------|----------------------------------------------------------------------------------------------------|
| BC-250           | 8 oz. (237 ml)                                                                                     |
| SF-250           | 8 oz. (237 ml)  |



\* All needles are packaged 10 per pack.  
\* Verpackungseinheit der Nadeln jeweils 10 Stück

### Stainless Steel Replacement Needles \* Ersatz-Nadeln aus rostfreiem Stahl \*

| Plato®<br>Plato® | Capillary ID<br>Kapillar-Innen Ø | Length<br>Länge | Hub Color<br>Farb-Code  |
|------------------|----------------------------------|-----------------|-------------------------|
| FDN-006          | .006" (0,15 mm)                  | .5" (13,0 mm)   | Lavender / Lavendel     |
| FDN-010          | .010" (0,25 mm)                  | 1" (25,4 mm)    | Peach / Pfirsich        |
| FDN-020          | .020" (0,50 mm)                  | 1" (25,4 mm)    | Black / Schwarz         |
| FDN-032          | .032" (0,81 mm)                  | 1" (25,4 mm)    | Brown / Braun           |
| FDN-038          | .038" (0,97 mm)                  | 1" (25,4 mm)    | Pink / Rosa             |
| FDN-053          | .053" (1,35 mm)                  | 1" (25,4 mm)    | Purple / Rot            |
| FDN-066          | .066" (1,68 mm)                  | 1" (25,4 mm)    | Dark Green / Dunkelgrün |

### Flexible Teflon Needles \* Biegsame Teflon-Nadeln \*

| Plato®<br>Plato® | Capillary ID<br>Kapillar-Innen Ø | Length<br>Länge |
|------------------|----------------------------------|-----------------|
| FDNT-022         | .022" (0,56 mm)                  | 1.5" (38 mm)    |
| FDNT-042         | .042" (1,07 mm)                  | 1.5" (38 mm)    |



| Weller® | Plato® | ( ) = mm | Weller® | Plato® | ( ) = mm |
|---------|--------|----------|---------|--------|----------|
| PTA     | C-3039 |          | PTP     | C-462  |          |
| PTB     | C-3040 |          | PTQ     | C-5101 |          |
| PTC     | C-3036 |          | PTR     | C-1021 |          |
| PTD     | C-1016 |          | PTS     | C-494  |          |
| PTE     | C-1017 |          | PTT     | C-4309 |          |
| PTF     | C-593  |          | PTX     | C-9100 |          |
| PTH     | C-3100 |          | PTZ     | C-983  |          |
| PTJ     | C-3865 |          | PTAA    | C-5139 |          |
| PTK     | C-3043 |          | PTBB    | C-5143 |          |
| PTL     | C-3044 |          | PTCC    | C-5141 |          |
| PTM     | C-3102 |          | PTDD    | C-5142 |          |
| PTO     | C-4223 |          | PTMX    | C-0602 |          |
|         |        |          |         | C-0551 |          |

Be sure to add temperature indicating number when ordering Plato® C-Tips.

Vergessen Sie nicht, den Temperatur-Index bei Ihrer Bestellung anzugeben.

6 (600°F / 315°C) 7.5 (750°F / 399°C) 9 (900°F / 480°C)  
7 (700°F / 370°C) 8 (800°F / 425°C)

**ATTENTION "NO CLEAN" FLUX USERS:** The use of no-clean fluxes has introduced the risk of premature detinning of solder tips when exceeding temperatures of 750°F / 399°C. To maximize your tip life, use Plato 7.5 Temperature Sensor when using no-clean fluxes and substantially reduce your risk of premature detinned tips.

**ACHTUNG für "NO-CLEAN" Flußmittel-Anwender:** Um die Lebensdauer der Lötspitze zu erhöhen, nehmen Sie die Plato-Lötspitze mit Temperatur-Index 7.5, beim Gebrauch von „No-Clean-Flußmittel“, um so ein vorzeitiges Entzinnen der Spitze zu vermeiden.

-Indicated temperature ranges are nominal and will vary according to style of tip, condition of iron, manner of use, and other variables. All dimensions are shown before tinning and are subject to manufacturing tolerances.

All points are 1/32" (0,8 mm) thick unless otherwise noted.

-Die angegebenen Temperaturbereiche sind Nennwerte und können variieren entsprechend der Form der Spitze, dem Zustand des LötKolbens, der Anwendung und anderen Einflüssen. Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen. Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben.



| Weller®      | Plato®  | ( ) = mm |
|--------------|---------|----------|
| ETA          | EW-303  |          |
| ETB          | EW-305  |          |
| ETC          | EW-307  |          |
| ETD          | EW-103  |          |
| ---          | EW-105  |          |
| ETH          | EW-301  |          |
| ETJ          | EW-302  |          |
| ETK          | EW-304  |          |
| ETL          | EW-306  |          |
| ETM          | EW-308  |          |
| ETO          | EW-404  |          |
| ETP          | EW-403  |          |
| ET-JL        | EW-0939 |          |
| ET-SMD 2.5mm | EW-0940 |          |
| ET-SMD 3.8mm | EW-0941 |          |

| Weller® | Plato®  | ( ) = mm |
|---------|---------|----------|
| ETR     | EW-101  |          |
| ---     | EW-4796 |          |
| ETS     | EW-402  |          |
| ETT     | EW-401  |          |
| ETBS    | EW-405  |          |
| ETCS    | EW-407  |          |
| ETDS    | EW-409  |          |
| ---     | EW-511  |          |
| ETAA    | EW-513  |          |
| ETBB    | EW-515  |          |
| ETCC    | EW-517  |          |
| ETDD    | EW-519  |          |
| ---     | EW-0602 |          |
| ET-MX   | EW-0603 |          |
| ---     | EW-0574 |          |

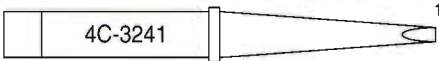
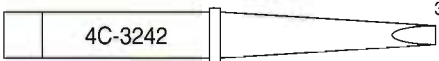
-The interior surfaces of these tips are protected to prevent adhesion to the sensor. All dimensions are shown before tinning and are subject to manufacturing tolerances.

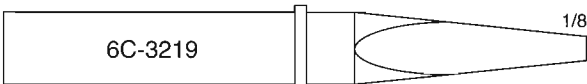
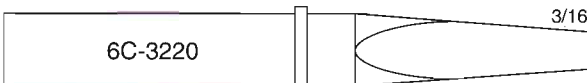
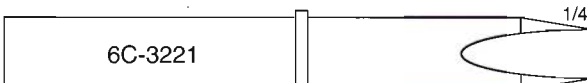
All points are 1/32" (0,8 mm) thick unless otherwise noted.

-Die Innenflächen dieser Spitzen sind gegen Anhaften am Sensor geschützt. Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.

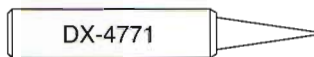
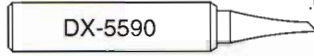
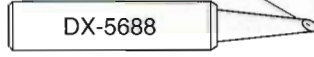
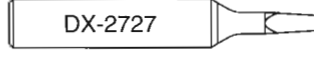
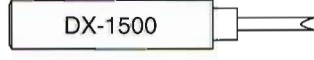
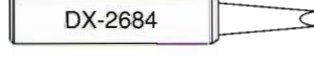
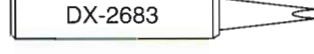
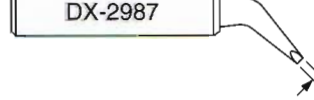
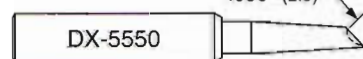
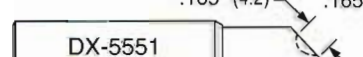
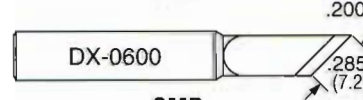
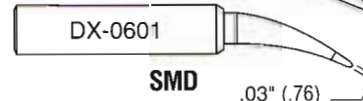
Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben.



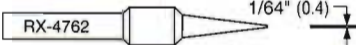
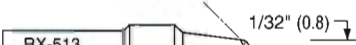
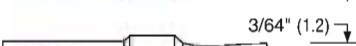
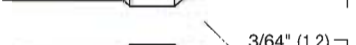
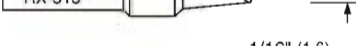
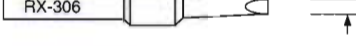
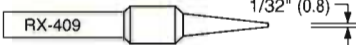
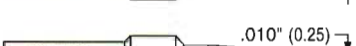
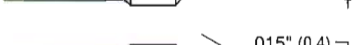
| Weller® | Plato®  | Plato®                                                                            | ( ) = mm    |                                                                                                                                                                                                                                                                                                                                                                                   |
|---------|---------|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CT5A    | 4C-3241 |  | 1/16" (1.6) |  - Be sure to add temperature indicating number when ordering Plato® 4C-Tips.                                                                                                                                                                                                                   |
| CT5B    | 4C-3242 |  | 3/32" (2.4) |  - Vergessen Sie nicht, den Temperatur-Index bei Ihrer Bestellung anzugeben.<br>6 (600°F/315°C) 7 (700°F/370°C) 8 (800°F/425°C), 9 (900°F/480°C)                                                                                                                                                |
| CT5C    | 4C-3243 |  | 1/8" (3.2)  |  - Indicated temperature ranges are nominal and will vary according to style of tip, condition of iron, manner of use, and other variables. All dimensions are shown before tinning and are subject to manufacturing tolerances.<br>All points are 1/32" (0.8 mm) thick unless otherwise noted. |
| CT5D    | 4C-3244 |  | 3/16" (4.8) |  - Die angegebenen Temperaturbereiche sind Nennwerte und können variieren entsprechend der Form der Spitze, dem Zustand des LötKolbens, der Anwendung und anderen Einflüssen. Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.         |
| CT5E    | 4C-1080 |  | 1/4" (6.4)  |  Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben.                                                                                                                                                                                                                               |

| Weller® | Plato®  | Plato®                                                                              | ( ) = mm    |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------|---------|-------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CT6C    | 6C-3219 |  | 1/8" (3.2)  |  -Be sure to add temperature indicating number when ordering Plato® 6C-Tips.                                                                                                                                                                                                                                                                                |
| CT6D    | 6C-3220 |  | 3/16" (4.8) |  -Vergessen Sie nicht, den Temperatur-Index bei Ihrer Bestellung anzugeben.<br>6 (600°F / 315°C) 7 (700°F / 370°C) 8 (800°F / 425°C) 9 (900°F / 480°C)                                                                                                                                                                                                      |
| CT6E    | 6C-3221 |  | 1/4" (6.4)  |  - Indicated temperature ranges are nominal and will vary according to style of tip, condition of iron, manner of use, and other variables. All dimensions are shown before tinning and are subject to manufacturing tolerances.<br>All points are 1/16" (1.6 mm) thick unless otherwise noted.                                                             |
| CT6F    | 6C-1083 |  | 3/8" (9.5)  |  - Die angegebenen Temperaturbereiche sind Nennwerte und können variieren entsprechend der Form der Spitze, dem Zustand des LötKolbens, der Anwendung und anderen Einflüssen. Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.<br>Alle Spitzenenden sind 1,6 mm dick, wenn nicht anders angegeben. |



| Weller® | Plato®  | Plato®                                                                              | ( ) = mm                               |                                                                                     |                                                                                                                                                                                    |             |
|---------|---------|-------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| MT-1    | DX-4771 |    | .012" (0.3)                            |    | - All dimensions are shown before tinning and are subject to manufacturing tolerances.<br>All points are 1/32" (0,8 mm) thick unless otherwise noted.                              |             |
| MT-1S   | DX-4814 |    | .012" (0.3)                            |    |                                                                                                                                                                                    |             |
| MT-4    | DX-5590 |    | .045" (1.14)                           |    | - Alle angegebenen Abmessungen sind Maße vor der Verzinnung.<br>Abweichungen entsprechen Fertigungstoleranzen.<br>Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben. |             |
| —       | DX-5688 |    | 3/64" (1.2)                            |    |                                                                                                                                                                                    |             |
| —       | DX-2727 |    | 1/16" (1.6)                            |    |                                                                                                                                                                                    | .035" (0.9) |
| MT-6    | DX-1500 |    | 1/16" (1.6)                            |    |                                                                                                                                                                                    | .015" (0.4) |
| MT-A    | DX-2684 |   | 1/16" (1.6)                            |   | .035" (0.9)                                                                                                                                                                        |             |
| MT-B    | DX-2726 |  | 3/32" (2.4)                            |  | .035" (0.9)                                                                                                                                                                        |             |
| MT-H    | DX-2683 |  | 1/32" (0.8)                            |  | .024" (0.6)                                                                                                                                                                        |             |
| MT-HX   | DX-2987 |  | 1/32" (0.8)                            |                                                                                     |                                                                                                                                                                                    |             |
| —       | DX-4977 |  | .016" (0.4)                            |  |                                                                                                                                                                                    |             |
| —       | DX-5550 |  | .090" (2.3)<br>SMD<br>.095" (2.4)      |  | PLATO® SMD FLOW TIP                                                                                                                                                                |             |
| MT-GW   | DX-5551 |  | .165" (4.2)<br>SMD<br>.165" (4.2)      |  | PLATO® SMD FLOW TIP                                                                                                                                                                |             |
| —       | DX-0600 |  | .200" (5.1)<br>SMD<br>.285" (7.2)      |  | .010" (0.2)<br>SMD TIP TO SOLDER SOIC AND PLCC                                                                                                                                     |             |
| MT-JL   | DX-0601 |  | .03" (.76)<br>SMD<br>.10" (2.5)<br>57° |  |                                                                                                                                                                                    |             |



| Weller® | Plato®  | Plato®                                                                              | ( ) = mm     |                                                                                     |
|---------|---------|-------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|
| EPH101  | RX-4762 |    | 1/64" (0.4)  |    |
| EPH102  | RX-402  |    | 1/32" (0.8)  |    |
| EPH103  | RX-513  |    | 1/32" (0.8)  |    |
| EPH104  | RX-404  |    | 3/64" (1.2)  |    |
| EPH105  | RX-515  |    | 3/64" (1.2)  |    |
| EPH106  | RX-306  |    | 1/16" (1.6)  |    |
| EPH107  | RX-307  |    | 5/64" (2.0)  |    |
| EPH109  | RX-409  |    | 1/32" (0.8)  |    |
| EPH110  | RX-401  |    | 1/64" (0.4)  |    |
| EPH111  | RX-4764 |    | .030" (0.8)  |    |
| EPH112  | RX-4763 |    | .010" (0.25) |    |
| ---     | RX-5567 |   | .015" (0.4)  |   |
| ---     | RX-5568 |  | .010" (0.25) |  |



Typical Tip Drawing

Charakteristische Spitzenzeichnung

-The interior surfaces of these tips are protected to prevent adhesion to the sensor.  
All dimensions are shown before tinning and are subject to manufacturing tolerances.  
All points are 1/32" (0,8 mm) thick unless otherwise noted.

-Die Innenflächen dieser Spitzen sind gegen Anhaften am Sensor geschützt.  
Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.  
Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben.

| Weller® | Plato®  | Plato®                                                                              | ( ) = mm    |                                                                                     |
|---------|---------|-------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|
| LHT-D   | MH-3200 |  | .192" (4.9) |  |
| LHT-E   | MH-3400 |  | .250" (6.4) |  |
| LHT-F   | MH-3600 |  | .370" (9.4) |  |

-All dimensions are shown before tinning and are subject to manufacturing tolerances.

All points are .075" (1.9) thick unless otherwise noted.  
( ) = mm

-Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.

Alle Spitzenenden sind 1,9 mm dick, wenn nicht anders angegeben.

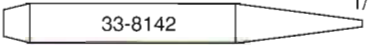
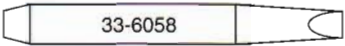
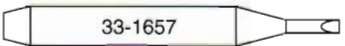
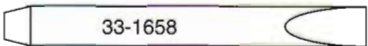
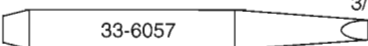
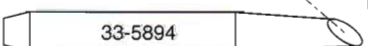
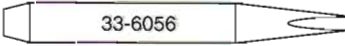
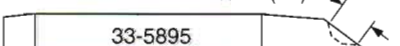
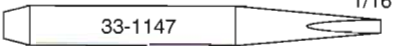


| Weller® | Plato®  | ( ) = mm                        | Weller® | Plato®  | ( ) = mm                       |
|---------|---------|---------------------------------|---------|---------|--------------------------------|
| —       | MS-0105 | <br>.250" (6.4)<br>.195" (5.0)  | LTB     | MS-3300 | <br>.094" (2.4)<br>.031" (0.8) |
| —       | MS-0201 | <br>.182" (4.6)<br>.257" (6.5)  | LTC     | MS-3400 | <br>.125" (3.2)<br>.031" (0.8) |
| —       | MS-4140 | <br>.031" (0.8)                 | LTCS    | MS-4160 | <br>.126" (3.2)                |
| LT1     | MS-4120 | <br>.010" (0.25)                | LTD     | MS-3600 | <br>.181" (4.6)<br>.031" (0.8) |
| LT1L    | MS-4110 | <br>.010" (0.25)                | LTGW    | MS-0100 | <br>.122" (3.1)<br>.084" (2.1) |
| LT1LX   | MS-4101 | <br>.010" (0.25)                | LTH     | MS-3110 | <br>.031" (0.8)<br>.016" (0.4) |
| LT1S    | MS-4100 | <br>.063" (1.6)<br>.010" (0.25) | LTHX    | MS-3101 | <br>.024" (0.6)                |
| LT1SLX  | MS-4125 | <br>.012" (0.3)                 | LTK     | MS-3150 | <br>.050" (1.3)<br>.020" (0.5) |
| LT4     | MS-5160 | <br>.047" (1.2)                 | LTL     | MS-3250 | <br>.079" (2.0)<br>.039" (1.0) |
| LT4X    | MS-3125 | <br>.016" (0.4)<br>.047" (1.2)  | LTM     | MS-3450 | <br>.125" (3.2)<br>.047" (1.2) |
| LTA     | MS-3200 | <br>.063" (1.6)<br>.031" (0.8)  | LTS     | MS-4130 | <br>.018" (0.5)                |
| LTAS    | MS-4150 | <br>.063" (1.6)                 |         |         |                                |

- All dimensions are shown before tinning and are subject to manufacturing tolerances.

- Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen

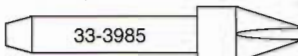
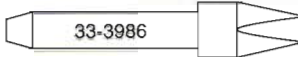
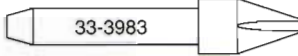
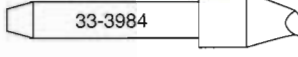
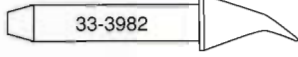


| Pace®                     | Plato®  | Plato®                                                                              | ( ) = mm                |                                                                                     |
|---------------------------|---------|-------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|
| 1121-0335                 | 33-6055 |    | 1/16" (1.5)             |    |
| 1121-0336                 | 33-8142 |    | 1/32" (0.8)             |    |
| 1121-0337                 | 33-6058 |    | 1/8" (3.2)              |    |
| 1121-0349                 | 33-1657 |    | 1/16" (1.5)             |    |
| 1121-0357                 | 33-8141 |    | 1/64" (0.4)             |    |
| 1121-0358                 | 33-1658 |    | 3/16" (4.8)             |    |
| 1121-0359                 | 33-1144 |    | 1/32" (0.8)             |    |
| 1121-0360                 | 33-6057 |   | 3/32" (2.4)             |   |
| 1121-0361                 | 33-1146 |  | .020" (0.5)             |  |
| 1121-0363                 | 33-8143 |  | .047" (1.2)             |  |
| 1121-0406                 | 33-5894 |  | 1/8" (3.2)              |  |
| 1121-0414                 | 33-6056 |  | 1/16" (1.5)             |  |
| 1121-0490<br>(similar to) | 33-5895 |  | .195" (5.0) .135" (3.4) |  |
| 1121-0499                 | 33-1147 |  | 1/16" (1.5)             |  |
| 1121-0500                 | 33-1148 |  | .025" (0.6)             |  |
| 1121-0563                 | 33-5896 |  | .06" (1.5)              |  |
| 1121-0564                 | 33-5897 |  | .07" (1.8)              |  |
| 1121-0610                 | 33-5898 |  | .09" (2.3)              |  |

-All dimensions are shown before tinning and are subject to manufacturing tolerances.  
All points are .025" (0,6 mm) thick unless otherwise noted.

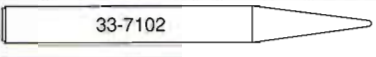
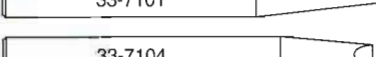
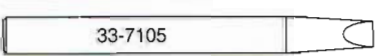
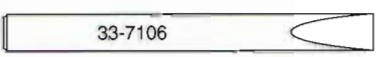
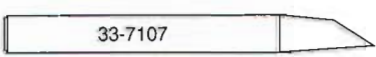
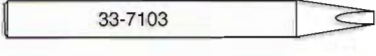
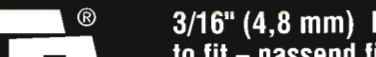
-Alle angegebenen Abmessungen sind Maße vor der Verzinnung.  
Abweichungen entsprechen Fertigungstoleranzen.  
Alle Spitzenenden sind 0,6 mm dick, wenn nicht anders angegeben.



| Pace®     | Plato®  | Plato®                                                                            | ( ) = mm                   |
|-----------|---------|-----------------------------------------------------------------------------------|----------------------------|
| 1121-0510 | 33-3985 |  | .062" (1.6)                |
| 1121-0516 | 33-3981 |  | .015" (0.4)                |
| 1121-0518 | 33-3986 |  | .125" (3.2)                |
| 1121-0524 | 33-3983 |  | .047" (1.2)                |
| 1121-0525 | 33-3984 |  | .020" (0.5)<br>.047" (1.2) |
| 1121-0526 | 33-3982 |  | .015" (0.4)                |

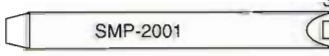
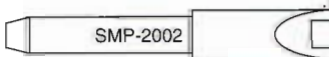
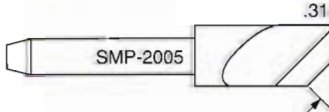
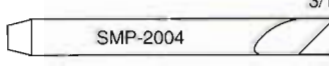
- All dimensions are shown before tinning and are subject to manufacturing tolerances. All points are .025" (0,6 mm) thick unless otherwise noted.

- Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen. Alle Spitzenenden sind 0,6 mm dick, wenn nicht anders angegeben.

| Pace®     | Plato®  | Plato®                                                                              | ( ) = mm                   |
|-----------|---------|-------------------------------------------------------------------------------------|----------------------------|
| 1121-0527 | 33-7102 |   | .031" (0.8)                |
| 1121-0528 | 33-7101 |  | .015" (0.4)                |
| 1121-0529 | 33-7104 |  | .093" (2.4)                |
| 1121-0530 | 33-7105 |  | .125" (3.2)                |
| 1121-0531 | 33-7106 |  | .187" (4.8)<br>.031" (0.8) |
| 1121-0532 | 33-7107 |  | .125" (3.2)                |
| 1121-0533 | 33-7103 |  | .062" (1.6)                |

- All dimensions are shown before tinning and are subject to manufacturing tolerances. All points are .025" (0,6 mm) thick unless otherwise noted.

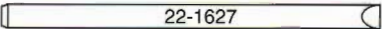
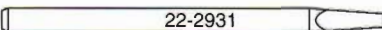
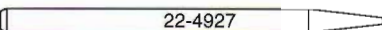
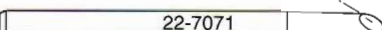
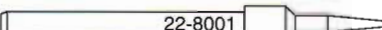
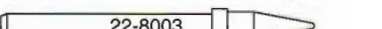
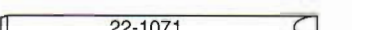
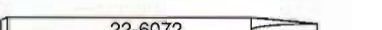
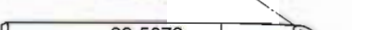
- Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen. Alle Spitzenenden sind 0,6 mm dick, wenn nicht anders angegeben.

| Pace®     | Plato®   | Plato®                                                                              | ( ) = mm                                                                            |
|-----------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1121-0302 | SMP-2001 |  | 3/32" (2.4)<br>SMD Chip Tip                                                         |
| 1121-0303 | SMP-2002 |  | .145" (3.7)<br>SMD Chip Tip                                                         |
| 1121-0304 | SMP-2003 |  | 1/16" (1.6)<br>SMD Tip to Solder SOT's                                              |
| 1121-0305 | SMP-2005 |  | .318" (8.0)<br>.450" (11.4)<br>.038" (.96)<br>SMD Blade Tip to Solder SOIC & PLCC's |
| 1121-0402 | SMP-2004 |  | 3/16" (4.7)<br>.250" (6.3)<br>.020" (0.5)<br>SMD Blade Tip to Solder SOIC & PLCC's  |

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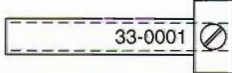
- Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.

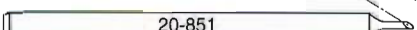
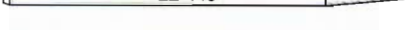
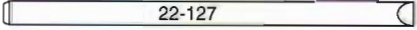
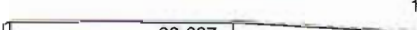
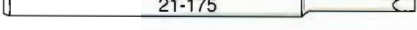
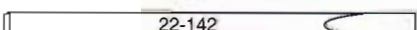
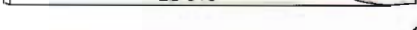


| Pace®     | Plato®  | Plato®                                                                            | ( ) = mm    |   |
|-----------|---------|-----------------------------------------------------------------------------------|-------------|---|
| 1121-0130 | 22-1627 |  | 1/8" (3,2)  | ⊖ |
| 1121-0131 | 22-2931 |  | 1/16" (1,6) | ⊖ |
| 1121-0132 | 22-4927 |  | .020" (0,5) | ⊖ |
| 1121-0238 | 22-7071 |  | 3/32" (2,4) | ⊖ |
| 1121-0339 | 22-8001 |  | .020" (0,5) | ⊖ |
| 1121-0340 | 22-8003 |  | 1/32" (0,8) | ⊖ |
| 1121-0501 | 22-1071 |  | 1/8" (3,2)  | ⊖ |
| 1121-0502 | 22-6072 |  | 1/16" (1,6) | ⊖ |
| 1121-0503 | 22-8002 |  | 1/32" (0,8) | ⊖ |
| 1121-0504 | 22-5073 |  | 3/32" (2,4) | ⊖ |

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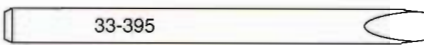
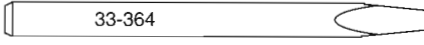
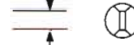
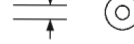
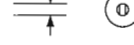
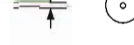
| Pace®     | Plato®  | Plato®                                                                              | ( ) = mm    |   |
|-----------|---------|-------------------------------------------------------------------------------------|-------------|---|
| 1360-0083 | 33-0001 |  | .132" (3,4) | ⊖ |

| Hexacon®       | American Beauty® | Esico®             | Plato® | Plato®                                                                               | ( ) = mm    |   |
|----------------|------------------|--------------------|--------|--------------------------------------------------------------------------------------|-------------|---|
| HT104<br>HT511 | 524              | ---                | 20-851 |  | 1/32" (0,8) | ⊖ |
| HT222          | 510              | 240-102<br>240-111 | 22-449 |  | 1/32" (0,8) | ⊖ |
| HT249          | 501              | 210-132<br>210-143 | 22-127 |  | 1/8" (3,2)  | ⊖ |
| HT331          | ---              | ---                | 22-687 |  | 1/64" (0,4) | ⊖ |
| HT361          | 503              | 211-105<br>211-127 | 21-175 |  | 1/16" (1,6) | ⊖ |
| HT376          | 502              | 210-107<br>210-114 | 22-142 |  | 1/8" (3,2)  | ⊖ |
| HT477          | 271              | ---                | 22-315 |  | 3/32" (2,4) | ⊖ |
| HT560<br>HT667 | 507              | 220-103<br>220-116 | 22-320 |  | 1/16" (1,6) | ⊖ |
| HT693          | 512              | 251-120<br>251-131 | 21-572 |  | 1/16" (1,6) | ⊖ |
| ---            | 509              | ---                | 22-428 |  | 1/32" (0,8) | ⊖ |

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| Hexacon® | American Beauty® | Esico®             | Plato®  | Plato®                                                                               | ( ) = mm                                                                                          |
|----------|------------------|--------------------|---------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| HT118    | 630              | ---                | 32-402  |    | 1/64" (0.4)    |
| HT190    | 619              | 320-136<br>320-144 | 33-395  |    | 1/8" (3.2)     |
| HT195    | 643              | 310-108<br>310-115 | 33-131  |    | 3/16" (4.8)    |
| HT207    | 617              | 320-109<br>320-118 | 33-364  |    | 3/32" (2.4)    |
| HT214*   | 621              | 340-107<br>340-114 | 33-464  |    | 1/32" (0.8)    |
| HT220    | ---              | ---                | 31-517  |    | 1/16" (1.6)    |
| HT276    | 604              | 311-103<br>311-124 | 31-150  |    | 1/16" (1.6)    |
| HT281    | 625              | ---                | 33-415  |  | 1/32" (0.8)  |
| HT474    | 605<br>607       | 312-105<br>312-116 | 32-168  |  | 1/8" (3.2)   |
| HT479    | 626              | 342-112<br>342-119 | 32-660  |  | 1/32" (0.8)  |
| HT548    | 615              | 322-220<br>322-146 | 32-338  |  | 1/16" (1.6)  |
| HT892    | ---              | ---                | 33-3396 |  | 1/16" (1.6)  |
| ---      | ---              | ---                | 30-1191 |  | 3/32" (2.4)  |
| HT107*   | 613              | 322-104<br>322-117 | 32-306  |  | 3/32" (2.4)  |

\*\*\* For Adcola tip holding shims are available:  
Plato TS-10: Tip holding shim = 25 mm long  
Plato TS-15: Tip holding shim = 38 mm long

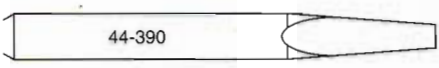
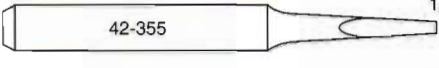
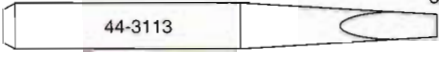
\*\*\* Für Adcola sind Lötspitzen-Haltebleche verfügbar:  
Plato TS-10: Halteblech = 25 mm lang  
Plato TS-15: Halteblech = 38 mm lang

\* Similar \* Ähnlich

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All points are 1/32" (0,8 mm) thick unless otherwise noted.

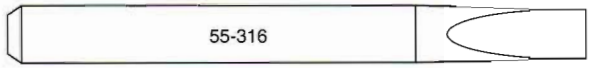
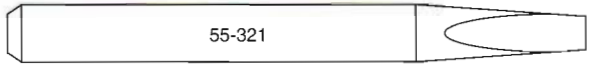
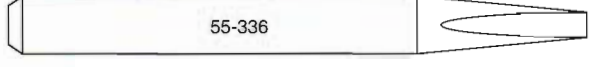
- Alle angegebenen Abmessungen sind Maße vor der Verzinning.  
Abweichungen entsprechen Fertigungstoleranzen.  
Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben.



| Hexacon® | American Beauty® | Esico®             | Plato®  | Plato®                                                                             | ( ) = mm                                                                                                  |
|----------|------------------|--------------------|---------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| HT313    | 715              | ---                | 44-352  |  | $\frac{3}{16}" (4.8)$  |
| HT358    | 714              | 422-347<br>422-144 | 42-347  |  | $\frac{3}{32}" (2.4)$  |
| HT417    | 721              | 420-106<br>420-119 | 44-390  |  | $\frac{1}{8}" (3.2)$   |
| HT513    | ---              | 442-153<br>442-139 | 42-628  |  | $\frac{1}{32}" (0.8)$  |
| HT359    | 716              | 422-108<br>422-132 | 42-355  |  | $\frac{1}{16}" (1.6)$  |
| ---      | ---              | ---                | 44-3113 |  | $\frac{3}{32}" (2.4)$  |

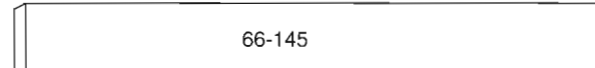
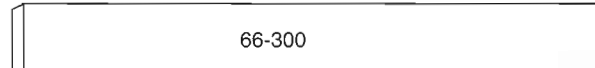
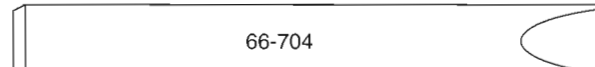
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Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben.

| Hexacon® | Plato® | Plato®                                                                              | ( ) = mm                                                                                                    |
|----------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| HT506    | 55-316 |  | $\frac{1}{4}" (6.4)$   |
| HT550    | 55-321 |  | $\frac{3}{16}" (4.8)$  |
| HT556    | 55-336 |  | $\frac{1}{8}" (3.2)$   |

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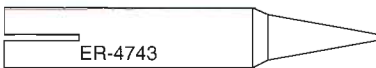
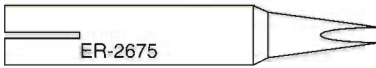
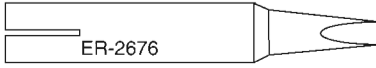
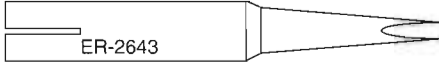
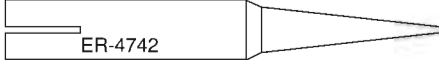
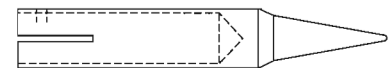
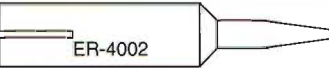
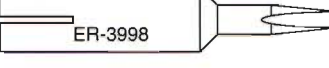
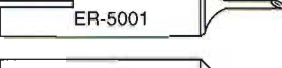
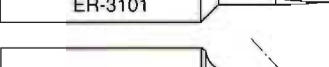
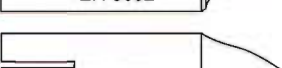
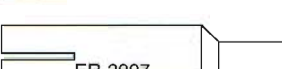
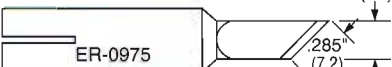
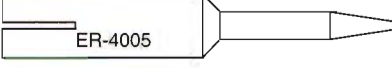
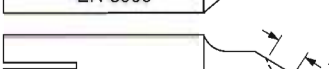
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Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben.

| Hexacon® | Plato® | Plato®                                                                              | ( ) = mm                                                                                                                          |
|----------|--------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| HT151    | 66-145 |  | $\frac{3}{8}" (9.5)$                         |
| HT449    | 66-300 |  | $\frac{1}{4}" (6.4)$                         |
| ---      | 66-704 |  | $\frac{3}{8}" (9.5)$ $\frac{11}{64}" (4.4)$  |

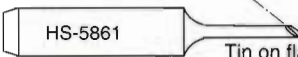
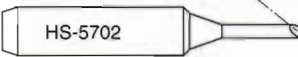
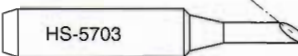
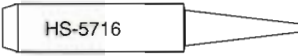
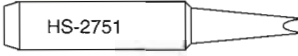
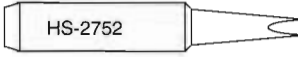
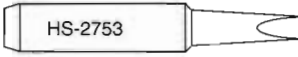
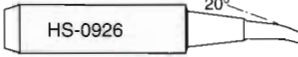
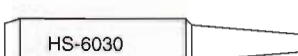
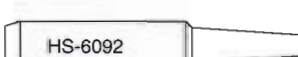
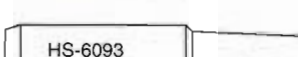
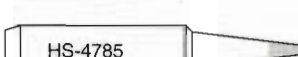
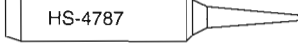
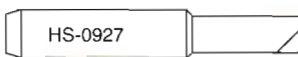
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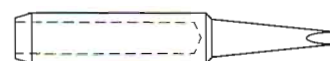
| Ersa® | Plato®  | Plato®                                                                              | ( ) = mm    |                                                                                                                                                                                                                                                                                                                                               |
|-------|---------|-------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 602BD | ER-4743 |    | .040" (1.0) | <p>- All dimensions are shown before tinning and are subject to manufacturing tolerances. All points are .035" (0.9 mm) thick unless otherwise noted.</p> <p>- Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen. Alle Spitzenenden sind 0,9 mm dick, wenn nicht anders angegeben.</p> |
| 602CD | ER-2675 |    | .085" (2.2) |                                                                                                                                                                                                                                                                                                                                               |
| 602ED | ER-2676 |    | .125" (3.2) |                                                                                                                                                                                                                                                                                                                                               |
| 602KD | ER-2643 |    | .085" (2.2) |                                                                                                                                                                                                                                                                                                                                               |
| 602SD | ER-4742 |    | .032" (0.8) |                                                                                                                                                                                                                                                                                                                                               |
| 602UD | ER-8550 |    | .013" (0.3) |                                                                                                                                                                                                                                                                                                                                               |
| 602VD | ER-2678 |    | .195" (5.0) |                                                                                                                                                                                                                                                                                                                                               |
|       |         |                                                                                     |             |  <p>Typical Tip Drawing<br/>Charakteristische Spitzenzeichnung</p>                                                                                                                                                                                         |
| Ersa® | Plato®  | Plato®                                                                              | ( ) = mm    |                                                                                                                                                                                                                                                                                                                                               |
| 832BD | ER-4002 |  | .040" (1.0) | <p>- All dimensions are shown before tinning and are subject to manufacturing tolerances. All points are .035" (0.9 mm) thick unless otherwise noted.</p> <p>- Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen. Alle Spitzenenden sind 0,9 mm dick, wenn nicht anders angegeben.</p> |
| 832CD | ER-3998 |  | .085" (2.2) |                                                                                                                                                                                                                                                                                                                                               |
| 832DD | ER-5001 |  | .040" (1.0) |                                                                                                                                                                                                                                                                                                                                               |
| 832ED | ER-3101 |  | .126" (3.2) |                                                                                                                                                                                                                                                                                                                                               |
| 832FD | ER-5002 |  | .080" (2.0) |                                                                                                                                                                                                                                                                                                                                               |
| 832ID | ER-4003 |  | .037" (0.9) |                                                                                                                                                                                                                                                                                                                                               |
| 832KD | ER-3997 |  | .085" (2.2) |                                                                                                                                                                                                                                                                                                                                               |
| 832OD | ER-0975 |  | .012" (0.3) | <p>SMD BLADE TIP TO<br/>SOLDER SOIC AND PLCC</p>                                                                                                                                                                                                                                                                                              |
| 832UD | ER-4005 |  | .016" (0.4) |                                                                                                                                                                                                                                                                                                                                               |
| 832SD | ER-4004 |  | .030" (0.8) |                                                                                                                                                                                                                                                                                                                                               |
| —     | ER-4006 |  | .015" (0.4) | <p>Typical Tip Drawing<br/>Charakteristische Spitzenzeichnung</p>                                                                                                                                                                                                                                                                             |
| 832YD | ER-3999 |  | .062" (1.6) |                                                                                                                                                                                                                                                                                                                                               |
| 832PW | ER-5003 |  | .158" (4.0) |                                                                                                                                                                                                                                                                                                                                               |
|       |         |                                                                                     |             | <p>PLATO® SMD<br/>FLOW TIP</p>                                                                                                                                                                                                                                                                                                                |



| Hakko®                   | Plato®  | Plato®                                                                                                  | ( ) = mm                    |                                                                                     |
|--------------------------|---------|---------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|
| 900M-T-1C                | HS-5701 |                        | 3/64" (1.2)                 |    |
| 900M-T-1.5-CF            | HS-5861 | <br>Tin on flat only   | .059" (1.5)<br>5/64" (2.0)  |    |
| 900M-T-2C                | HS-5702 |                        | 1/8" (3.0)                  |    |
| 900M-T-3C                | HS-5703 |                        | 5/32" (4.0)                 |    |
| 900M-T-4C                | HS-5875 |                        |                             |    |
| 900M-T-0.2RB             | HS-4791 |                        | 0.016" (0.4)                |    |
| 900M-T-0.5C              | HS-5715 |                        | .019" (0.5)                 |    |
| 900M-T-0.8C              | HS-5716 |                        | .032" (0.8)                 |    |
| 900M-T-0.8D              | HS-2863 |                        | 1/32" (0.8)<br>0.019" (0.5) |    |
| 900M-T-1.2D<br>900M-T-S1 | HS-2796 |                       | 3/64" (1.2)                 |   |
| 900M-T-1.6D              | HS-2751 |                      | 1/16" (1.6)                 |  |
| 900M-T-2.4D              | HS-2752 |                      | 3/32" (2.4)                 |  |
| 900M-T-3.2D              | HS-2753 |                      | 1/8" (3.2)                  |  |
| 900M-T-1.8H              | HS-0926 | <br>20°              | 0.04" (1.0)<br>0.07" (1.8)  |  |
| 900M-T-1.2LD             | HS-6030 |                      | 3/64" (1.2)<br>0.031" (.7)  |  |
| 900M-T-2LD               | HS-6092 |                      | 5/64" (2.0)<br>0.025" (.6)  |  |
| 900M-T-3.2LD             | HS-6093 |                      | 1/8" (3.2)<br>0.05" (1.3)   |  |
| 900M-T-B                 | HS-4785 | <br>.250" TIN LENGTH | .040" (1.0)                 |  |
| —                        | HS-8179 | <br>.300" TIN LENGTH | .040" (1.0)                 |  |
| 900M-T-H                 | HS-0925 | <br>30°              | 1/16" (1.6)<br>9/64" (3.5)  |  |
| 900M-T-I                 | HS-4787 |                      | 1/64" (0.8)                 |  |
| 900M-T-K                 | HS-0927 | <br>1/4" (6.3)       | 3/16" (4.7)<br>.010" (0.2)  |  |
| 900M-T-LB                | HS-4786 |                      | 1/64" (0.4)                 |  |

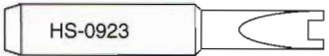
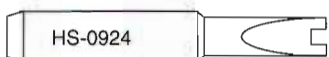
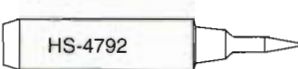
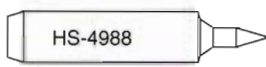
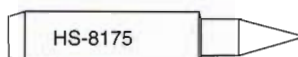
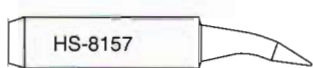
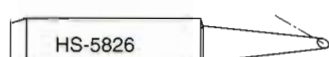
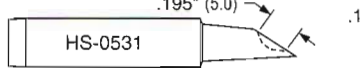
-All dimensions are shown before tinning and are subject to manufacturing tolerances.  
All points are 1/32" (0,8 mm) thick unless otherwise noted.

-Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.  
Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben.



Typical Tip Drawing  
Charakteristische Spitzenzeichnung



| Hakko®     | Plato®  | Plato®                                                                              | ( ) = mm                |                                                                                     |                     |
|------------|---------|-------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|---------------------|
| 900M-T-R   | HS-0923 |    | 1/8" (3.2)              |    | SMD Chip Tip        |
| 900M-T-RT  | HS-0924 |    | 5/64" (2.0)             |    | SMD Chip Tip        |
| 900M-T-SB  | HS-4792 |    | .016" (0.4)             |    |                     |
| 900M-T-SMD | HS-4988 |    | .008" (0.2)             |    |                     |
| 900M-T-S3  | HS-1665 |    | 13/64" (5.2)            |    |                     |
| 900M-T-S4  | HS-8175 |    | .008" (0.2)             |    |                     |
| 900M-T-S5  | HS-8157 |    | 1/64" (0.4)             |    |                     |
| 900M-T-S6  | HS-5827 |    | .050" (1.3)             |    |                     |
| 900M-T-S7  | HS-5826 |    | .046" (1.2)             |    |                     |
| —          | HS-0530 |  | .128" (3.3) .118" (3.0) |  | Plato® SMD Flow Tip |
| —          | HS-0531 |  | .195" (5.0) .135" (3.4) |  | Plato® SMD Flow Tip |

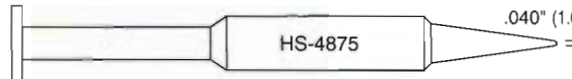
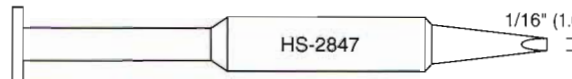
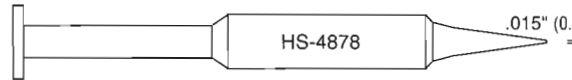
- All dimensions are shown before tinning and are subject to manufacturing tolerances.  
All points are 1/32" (0,8 mm) thick unless otherwise noted.

- Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen. Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben.

Typical Tip Drawing

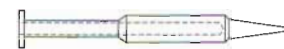


Charakteristische Spitzenzeichnung

| Hakko®      | Plato®  | Plato®                                                                              | ( ) = mm    |                                                                                      |  |
|-------------|---------|-------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------|--|
| 900S-T-B    | HS-4875 |  | .040" (1.0) |  |  |
| 900S-T-1.6D | HS-2847 |  | 1/16" (1.6) |  |  |
| 900S-T-I    | HS-4878 |  | .015" (0.4) |  |  |

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All points are 1/32" (0,8 mm) thick unless otherwise noted.

- Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen. Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben.



Typical Tip Drawing  
Charakteristische Spitzenzeichnung



| Hakko®      | Plato®  | Plato®  | ( ) = mm    |  |
|-------------|---------|---------|-------------|--|
| 900L-T-2C   | HS-5705 | HS-5705 | 5/64" (2.0) |  |
| 900L-T-3C   | HS-5706 | HS-5706 | 7/64" (2.8) |  |
| 900L-T-1.6D | HS-6094 | HS-6094 | 1/16" (1.6) |  |
| 900L-T-2.4D | HS-6027 | HS-6027 | 3/32" (2.4) |  |
| 900L-T-3.2D | HS-2755 | HS-2755 | 1/8" (3.2)  |  |
| 900L-T-B    | HS-4788 | HS-4788 | 1/32" (0.8) |  |
| 900L-T-I    | HS-4790 | HS-4790 | 1/64" (0.4) |  |

- All dimensions are shown before tinning and are subject to manufacturing tolerances.

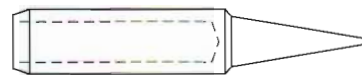
All points are 1/32" (0.8 mm) thick unless otherwise noted.

- Alle angegebenen Abmessungen sind Maße vor der Verzinnung.

Abweichungen entsprechen Fertigungstoleranzen.

Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben.

Typical Tip Drawing



Charakteristische Spitzenzeichnung

| Hakko®  | Plato®   | Plato®   | ( ) = mm |  |
|---------|----------|----------|----------|--|
| 582-T-4 | 400-8148 | 400-8148 | 30°      |  |
| 585-T-6 | 600-8149 | 600-8149 | 30°      |  |
| 587-T-8 | 800-8150 | 800-8150 | 30°      |  |

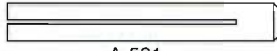
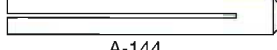
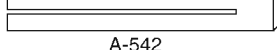
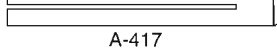
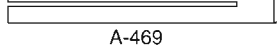
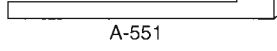
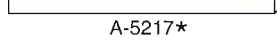
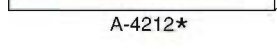
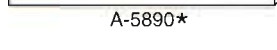
-All dimensions are shown before tinning and are subject to manufacturing tolerances.

-Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.

This is only a summary out of our standard Hakko program. Further standard Hakko Tips on request.

Dies ist ein Auszug aus unserem Standard-Hakko-Programm. Weitere Standard-Hakko-Lötspitzen auf Anfrage.



| Antex® | Plato®  | Plato®                                                                              | ( ) = mm    |                                                                                     |
|--------|---------|-------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|
| 2-IC   | A-108   |    | 7/64" (2.8) |    |
| 2-IS   | A-521   |    | 3/32" (2.4) |    |
| 46-IC  | A-144   |    | 1/16" (1.6) |    |
| 46-IS  | A-542   |    | 1/16" (1.6) |    |
| 8-I    | A-417   |    | 1/64" (0.4) |    |
| ---    | A-469   |    | 1/32" (0.8) |    |
| ---    | A-551   |    | 1/32" (0.8) |    |
| 6-NS   | A-5217* |  | 3/64" (1.2) |  |
| ---    | A-4212* |  | Sharp       |  |
| 46-NS  | A-5890* |  | 1/16" (1.6) |  |



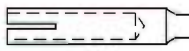
Typical Tip Drawing  
Charakteristische Spitzenzeichnung

-These tips have an internal diameter of 9/64" (3,6 mm). They are slotted as shown and are furnished with a retainer ring.  
All dimensions are shown before tinning and are subject to manufacturing tolerances.  
All points are 1/32" (0,8 mm) thick unless otherwise noted.

\*This indicates that the tip is nickel plated (economy grade); all other tips are iron clad (premium quality).

-Die Spitzen haben einen Innendurchmesser von 3,6 mm. Sie sind gemäß Zeichnung geschlitzt und werden mit Haltering geliefert.  
Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.  
Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben.

\*Diese Spitze ist Nickel plattiert (Economy Ausführung).  
Alle anderen Spitzen sind Eisen plattiert (Premium Ausführung).

| similar to<br>ähnlich zu<br>Oryx® | Plato®  | Plato®                                                                              | ( ) = mm    |                                                                                     |
|-----------------------------------|---------|-------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|
| P                                 | 0-5214* |  | 3/64" (1.2) |  |
| X                                 | 0-4209* |  | Sharp       |  |
| X-PL                              | 0-408   |  | 1/64" (0.4) |  |
| ---                               | 0-4210* |  | 1/32" (0.8) |  |
| ---                               | 0-4300* |  | 1/32" (0.8) |  |
| ---                               | 0-569   |  | 1/32" (0.8) |  |

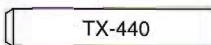
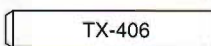
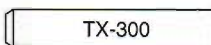
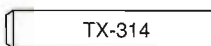
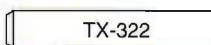
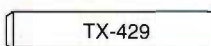
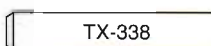
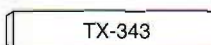
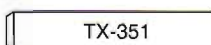
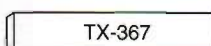
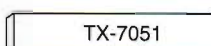
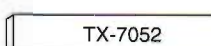
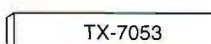
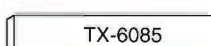
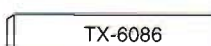
-All dimensions are shown before tinning and are subject to manufacturing tolerances.

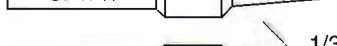
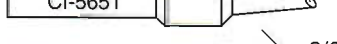
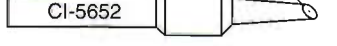
\*This indicates that the tip is nickel plated (economy grade).  
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Alle anderen Spitzen sind Eisen plattiert (Premium Ausführung).



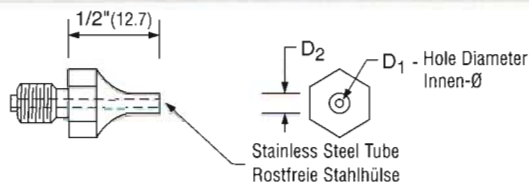
| OK-Ind.®  | Xytronic® | Elvo® | Plato®  | Plato®                                                                              | ( ) = mm                   |                                                                                       |                                                                                                                                                                                |
|-----------|-----------|-------|---------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SAT-3X10  | 823       | E231  | TX-440  |    | 1/64" (0.4)                |    | -All dimensions are shown before tinning and are subject to manufacturing tolerances.<br>All points are 1/32" (0,8 mm) thick unless otherwise noted.                           |
| SAT-3X20  | ---       | E301  | TX-406  |    | 1/32" (0.8)                |    |                                                                                                                                                                                |
| SAT-3X30  | 822       | E221  | TX-300  |    | 1/32" (0.8)<br>.024" (0.6) |    |                                                                                                                                                                                |
| SAT-3X40  | 826       | E261  | TX-314  |    | 3/64" (1.2)                |    | -Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.<br>Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben. |
| SAT-3X50  | 824       | E241  | TX-322  |    | 1/16" (1.6)                |    |                                                                                                                                                                                |
| SAT-3X60  | ---       | ---   | TX-429  |    | 1/32" (0.8)                |    |                                                                                                                                                                                |
| SAT-3X70  | ---       | E311  | TX-338  |    | 5/64" (2.0)                |    |                                                                                                                                                                                |
| SAT-3X80  | ---       | E281  | TX-343  |    | 3/32" (2.4)                |    |                                                                                                                                                                                |
| SAT-3X90  | ---       | E291  | TX-351  |    | 1/8" (3.2)                 |    |                                                                                                                                                                                |
| SAT-3X100 | 825       | E251  | TX-367  |    | 1/8" (3.2)                 |    |                                                                                                                                                                                |
| SAT-3X110 | ---       | ---   | TX-7051 |    | 1/16" (1.6)                |    |                                                                                                                                                                                |
| SAT-3X120 | ---       | ---   | TX-7052 |  | .095" (2.4)                |  |                                                                                                                                                                                |
| SAT-3X130 | ---       | ---   | TX-7053 |  | 1/8" (3.2)                 |  |                                                                                                                                                                                |
| SAT-3X140 | ---       | ---   | TX-6085 |  | 3/64" (1.2)                |  |                                                                                                                                                                                |
| SAT-3X150 | ---       | ---   | TX-6086 |  | 3/64" (1.2)                |  |                                                                                                                                                                                |

| OK-Ind.®   | Plato®  | Plato®                                                                              | ( ) = mm    |                                                                                     |                                                                                                                                                                                |
|------------|---------|-------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SAT-310X10 | CI-4713 |  | 1/64" (0.4) |  | -All dimensions are shown before tinning and are subject to manufacturing tolerances.<br>All points are 1/32" (0,8 mm) thick unless otherwise noted.                           |
| SAT-310X20 | CI-2629 |  | 1/16" (1.6) |  |                                                                                                                                                                                |
| SAT-310X30 | CI-2642 |  | 5/64" (2.0) |  |                                                                                                                                                                                |
| SAT-310X40 | CI-4717 |  | 1/32" (0.8) |  | -Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.<br>Alle Spitzenenden sind 0,8 mm dick, wenn nicht anders angegeben. |
| SAT-310X50 | CI-5651 |  | 1/32" (0.8) |  |                                                                                                                                                                                |
| SAT-310X60 | CI-5652 |  | 3/64" (1.2) |  |                                                                                                                                                                                |
| ---        | CI-4712 |  | 1/32" (0.8) |  |                                                                                                                                                                                |



| Weller® | Plato®<br>M5 Thread<br>M5 Gewinde | Plato®<br>Inch Thread<br>Zoll Gewinde | D <sub>1</sub> , ( ) = mm | D <sub>2</sub> , ( ) = mm |
|---------|-----------------------------------|---------------------------------------|---------------------------|---------------------------|
| DS-110  | TM-10                             | T-0138                                | .025" (0.6)               | .070" (1.7)               |
| DS-112  | TM-12                             | T-0139                                | .040" (1.0)               | .090" (2.3)               |
| DS-113  | TM-13                             | T-0140                                | .050" (1.3)               | .105" (2.7)               |
| DS-114  | TM-14                             | T-0141                                | .080" (2.0)               | .132" (3.2)               |
| DS-117  | TM-18                             | —                                     | .060" (1.5)               | .115" (2.9)               |
| DS-115* | TM-17                             | —                                     | .025" (0.6)               | .075" (1.9)               |
| DS-116* | TM-16                             | T-0136                                | .050" (1.3)               | .105" (2.7)               |
| DS-117* | —                                 | T-0137                                | .025" (0.6)               | .105" (2.7)               |

#### Plato® Premium Quality

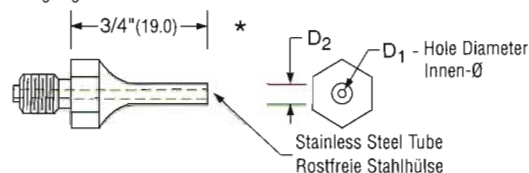


#### Premium Quality for Long Life

Stainless steel tube prevents solder path from erosion by solder. Heavy iron plating at working surfaces. Tinned for good heat transfer. Threads and body immunized. All dimensions are shown before tinning and are subject to manufacturing tolerances.

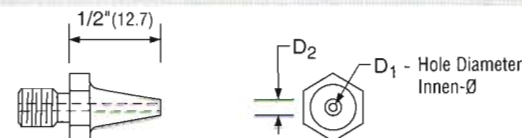
#### Premium Qualität für außerordentliche Standzeit

Ein nahtloses Stahlrohr verhindert Erosion durch das Lot. Eine dicke Eisenschicht schützt die Arbeitsflächen. Diese sind verzinkt, um einen guten Wärmeübergang zu gewährleisten. Gewinde und Körper sind immunisiert. Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.



| Weller® | Plato®<br>M5 Thread<br>M5 Gewinde | Plato®<br>Inch Thread<br>Zoll Gewinde | D <sub>1</sub> , ( ) = mm | D <sub>2</sub> , ( ) = mm |
|---------|-----------------------------------|---------------------------------------|---------------------------|---------------------------|
| DST 1   | TM-1                              | T-0261                                | .038" (1.0)               | .080" (2.0)               |
| DST 2   | TM-2                              | T-0262                                | .045" (1.1)               | .100" (2.5)               |
| DST 4   | TM-4                              | T-0264                                | .060" (1.5)               | .135" (3.4)               |
| DST 5   | TM-5                              | T-0265                                | .080" (2.0)               | .150" (3.8)               |

#### Plato® Economy Quality



#### Economy Grade - Nickel plated copper

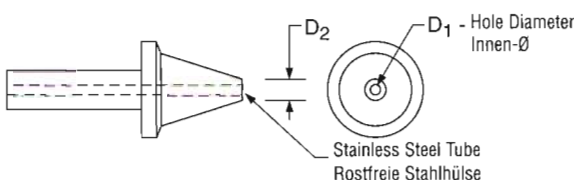
Solder path nickel-plated to reduce erosion by solder. All dimensions are shown before tinning and are subject to manufacturing tolerances.

#### Economy Ausführung - Kupfer vernickelt

Die einzige Entlötpitze dieser Bauform mit spezieller Innen-Ausführung, um Erosion durch Lot zu reduzieren. Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.

| Edsyn® | Plato® | D <sub>1</sub> , ( ) = mm | D <sub>2</sub> , ( ) = mm |
|--------|--------|---------------------------|---------------------------|
| ZD08   | EZ-030 | .030" (0.8)               | .085" (2.2)               |
| ZD12   | EZ-030 | .030" (0.8)               | .085" (2.2)               |
| ZD10   | EZ-040 | .040" (1.0)               | .095" (2.4)               |
| ZD13   | EZ-040 | .040" (1.0)               | .095" (2.4)               |
| ZD11   | EZ-050 | .050" (1.3)               | .115" (2.9)               |
| ZD14   | EZ-050 | .050" (1.3)               | .115" (2.9)               |
| ---    | EZ-060 | .060" (1.5)               | .115" (2.9)               |
| ZD09   | EZ-070 | .070" (1.8)               | .125" (3.2)               |
| ZD18   | EZ-070 | .070" (1.8)               | .125" (3.2)               |

#### Plato® Premium Quality



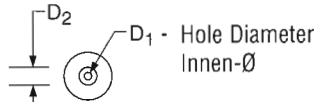
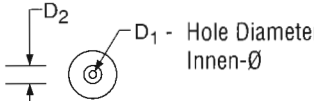
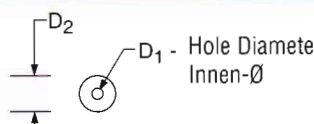
#### Premium Quality for Long Life

Iron plated to resist erosion by solder. Stainless steel tube prevents solder path erosion by solder. All dimensions are shown before tinning and are subject to manufacturing tolerances.

#### Premium Qualität für außerordentliche Standzeit

Die Eisenplattierung schützt gegen Korrosion. Innenausführung aus rostfreiem Stahlrohr. Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.



| Pace® Economy Grade | Plato® Economy Grade | D <sub>1</sub> , ( ) = mm | D <sub>2</sub> , ( ) = mm | Plato® Economy Quality                                                                                                                                                 |
|---------------------|----------------------|---------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1121-0505           | 30-0003              | .030"<br>(0.8)            | .075"<br>(2.9)            |   |
| 1121-0494           | 30-0004              | .040"<br>(1.0)            | .085"<br>(2.2)            |                                                                                                                                                                        |
| 1121-0506           | 30-0006              | .060"<br>(1.5)            | .105"<br>(2.7)            |                                                                                                                                                                        |
| 1121-0367           | 30-0300              | .030"<br>(0.8)            | .065"<br>(1.7)            |   |
| 1121-0342           | 30-0400              | .040"<br>(1.0)            | .085"<br>(2.2)            |                                                                                                                                                                        |
| 1121-0368           | 30-0600              | .060"<br>(1.5)            | .115"<br>(2.9)            |                                                                                                                                                                        |
| 1121-0507           | 30-0900              | .090"<br>(2.3)            | .190"<br>(4.8)            |   |
| 1121-0369           | 30-0060              | .060"<br>(1.5)            | .188"<br>(4.8)            |                                                                                                                                                                        |

### Economy Grade Tips

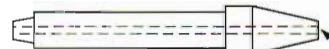
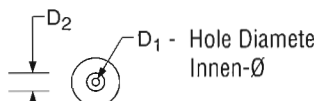
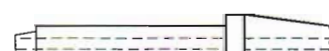
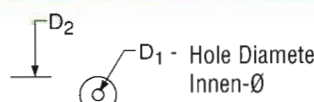
Economy grade tips do not have a stainless steel tube insert. They are made of oxygen-free high-conductivity copper, nickel plated inside and outside to minimize corrosion by solder.

All dimensions are shown before tinning and are subject to manufacturing tolerances.

### Economy Ausführung

Die Economy Ausführung hat keine Stahlhülse, sondern ist aus sauerstofffreiem Elektrolytkupfer hergestellt. Innen und außen beschichtet um die Erosion durch das Lot möglichst gering zu halten.

Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.

| Pace® Premium Grade | Plato® Premium Grade | D <sub>1</sub> , ( ) = mm | D <sub>2</sub> , ( ) = mm | Plato® Premium Quality                                                                                                                                                     |
|---------------------|----------------------|---------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1121-0462*          | 30-030*              | .030"<br>(0.8)            | .065"<br>(1.7)            |   |
| 1121-0463*          | 30-040*              | .040"<br>(1.0)            | .085"<br>(2.2)            |                                                                                                                                                                            |
| ---                 | 30-050*              | .050"<br>(1.3)            | .095"<br>(2.4)            |                                                                                                                                                                            |
| 1121-0464*          | 30-060*              | .060"<br>(1.5)            | .115"<br>(2.9)            |   |
| ---                 | ---                  | .090"<br>(2.3)            | .190"<br>(4.8)            |                                                                                                                                                                            |
| 1121-0465*          | 30-6000*             | .060"<br>(1.5)            | .200"<br>(5.1)            |                                                                                                                                                                            |

### Premium Grade Tips

Iron plated outside and stainless steel tube insert prevents solder path erosion by solder.

All dimensions are shown before tinning and are subject to manufacturing tolerances.

\*Indicates tips with a stainless steel tube insert.

### Premium Qualität für außerordentliche Standzeit

Die Eisenplattierung schützt gegen Korrosion. Innenausführung aus rostfreiem Stahlrohr.

Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.

\*Entlötlspitzen mit rostfreier Stahlhülse.



| Pace® | Plato® | L, ( ) = mm | D <sub>1</sub> , ( ) = mm | D <sub>2</sub> , ( ) = mm | Plato® | Not actual size<br>Abbildung vergrößert |
|-------|--------|-------------|---------------------------|---------------------------|--------|-----------------------------------------|
|-------|--------|-------------|---------------------------|---------------------------|--------|-----------------------------------------|

### Pace® SX-20, SX-25, SX-25V SODR-X-TRACTORS®

#### Short Version / Kurze Ausführung

|           |         |              |             |             |
|-----------|---------|--------------|-------------|-------------|
| 1121-0213 | 20-0109 | 1.00" (25.4) | .025" (0.6) | .060" (1.5) |
| 1121-0480 | 20-0114 | 1.00" (25.4) | .030" (0.8) | .060" (1.5) |
| ---       | 20-0815 | 1.00" (25.4) | .036" (0.9) | .065" (1.7) |
| 1121-0479 | 20-0110 | 1.00" (25.4) | .040" (1.0) | .080" (2.0) |
| 1121-0216 | 20-0113 | 1.00" (25.4) | .050" (1.3) | .090" (2.3) |
| 1121-0217 | 20-0111 | 1.00" (25.4) | .060" (1.5) | .100" (2.5) |
| 1121-0091 | 20-0112 | 1.00" (25.4) | .090" (2.3) | .125" (3.2) |



#### Premium Quality for Long Life

Made of oxygen-free high-conductivity copper, protected inside and outside to minimize erosion by solder.

### Pace® SX-40A, SX-55A, SX-65A, SX-70 SODR-X-TRACTORS® Plato® Adapter 33-0001

#### Long Version / Lange Ausführung

|           |        |              |             |             |
|-----------|--------|--------------|-------------|-------------|
| 1121-0485 | 20-025 | 1.75" (44.5) | .030" (0.8) | .080" (2.0) |
| 1121-0486 | 20-040 | 1.75" (44.5) | .040" (1.0) | .080" (2.0) |
| ---       | 20-050 | 1.75" (44.5) | .050" (1.3) | .090" (2.3) |
| 1121-0255 | 20-060 | 1.75" (44.5) | .060" (1.5) | .100" (2.5) |

#### Premium Qualität für außerordentliche Standzeit

Hergestellt aus sauerstofffreiem Elektrolytkupfer innen und außen beschichtet, um die Erosion durch das Lot möglichst gering zu halten.

### Pace® SX-40A, SX-55A, SX-65A, SX-70 SODR-X-TRACTORS® Plato® Adapter 33-0001

#### Bent Version / Gebogene Ausführung

|           |         |              |             |             |
|-----------|---------|--------------|-------------|-------------|
| 1121-0261 | 20-0030 | 1.75" (44.5) | .030" (0.8) | .080" (2.0) |
| 1121-0262 | 20-0040 | 1.75" (44.5) | .040" (1.0) | .080" (2.0) |
| 1121-0267 | 20-0060 | 1.75" (44.5) | .060" (1.5) | .090" (2.3) |



Packaged 10 pieces per pack. / Verpackungseinheit 10 Stück.

| Pace® | Air-Vac® | APE® | Plato® | L, ( ) = mm | D <sub>1</sub> , ( ) = mm | Plato® | Not actual size<br>Abbildung vergrößert |
|-------|----------|------|--------|-------------|---------------------------|--------|-----------------------------------------|
|-------|----------|------|--------|-------------|---------------------------|--------|-----------------------------------------|

### Plato® SX-20, SX-25, SX-25V SODR-X-TRACTORS®

#### Short Version / Kurze Ausführung

|           |            |           |            |              |             |
|-----------|------------|-----------|------------|--------------|-------------|
| 1121-0215 | 30, 36, 45 | 1212-0440 | 20-0110-HW | 1.00" (25.4) | .040" (1.0) |
|           |            | 1212-084  |            |              |             |
| 1121-0216 | ---        | 1212-0550 | 20-0113-HW | 1.00" (25.4) | .050" (1.3) |
|           |            | 1212-083  |            |              |             |
| 1121-0217 | 60, 61     | 1212-0660 | 20-0111-HW | 1.00" (25.4) | .060" (1.5) |
|           |            | 1212-082  |            |              |             |



These newly designed tips are engineered with a side wall that is more than 50% heavier (thicker) than our standard tips. These offer the operator a tip that is more resistant to deformation when used to pry or move leads. These long-life tips will offer improved heat recovery and life. They are available in 1" (25,4 mm) and 1.75" (44,5 mm) lengths. These tips are identified with HW added to the part number.

### Pace® SX-40A, SX-55A, SX-65A, SX-70 SODR-X-TRACTORS®

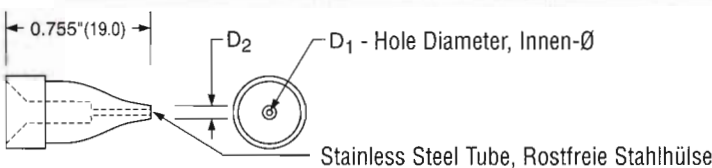
#### Long Version / Lange Ausführung

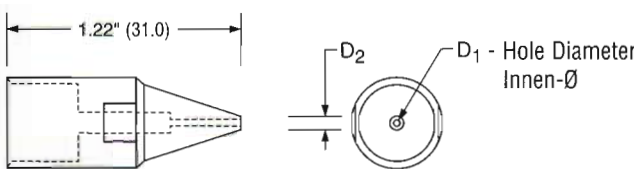
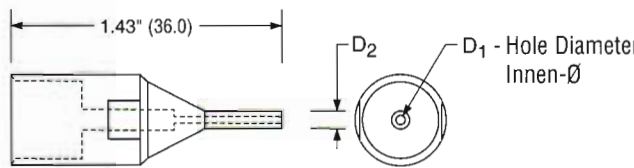
|           |     |     |           |              |             |
|-----------|-----|-----|-----------|--------------|-------------|
| 1121-0254 | --- | --- | 20-040-HW | 1.75" (44.5) | .040" (1.0) |
| ---       | --- | --- | 20-050-HW | 1.75" (44.5) | .050" (1.3) |
| 1121-0255 | --- | --- | 20-060-HW | 1.75" (44.5) | .060" (1.5) |

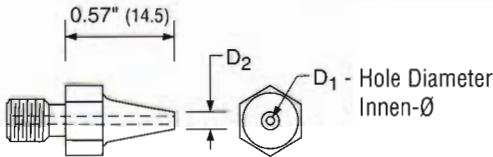
Neue Ausführung, mit einer Wandstärke die 50% dicker ist als bei unseren Standardentlötspitzen. Dadurch ist ein Widerstand gegen Deformation gewährleistet, wenn mit der Entlötspitze Kontakte bewegt werden. Die Entlötspitzen bieten eine verbesserte Hitzebeständigkeit und Lebensdauer. Bei einer Bestellung bitte die Buchstaben „HW“ zur Artikelnummer hinzufügen.

Packaged 10 pieces per pack. / Verpackungseinheit 10 Stück.



| Hakko® | Plato®  | D <sub>1</sub> , ( ) = mm | D <sub>2</sub> , ( ) = mm | Plato® Premium Quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------|---------|---------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A-1002 | HK-0878 | .030" (0.8)               | .070" (1.8)               |  <p><b>Premium Quality for Long Life</b><br/>Iron plated with stainless steel tube to resist erosion by solder. All dimensions are shown before tinning and are subject to manufacturing tolerances.</p> <p><b>Premium Qualität für außerordentliche Standzeit</b><br/>Die Eisenplattierung schützt gegen Korrosion. Innenausführung aus rostfreiem Stahlrohr. Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.</p> |
| A-1003 | HK-0879 | .040" (1.0)               | .080" (2.0)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| A-1004 | HK-0880 | .030" (0.8)               | .090" (2.3)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| A-1005 | HK-0881 | .040" (1.0)               | .100" (2.5)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| A-1006 | HK-0882 | .050" (1.3)               | .120" (3.0)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| A-1007 | HK-0883 | .060" (1.5)               | .120" (3.0)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Hakko®                   | OK Ind.®   | Plato®   | D <sub>1</sub> , ( ) = mm | D <sub>2</sub> , ( ) = mm | Plato® Premium Quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------|------------|----------|---------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 483-T-0.8<br>800-T-0.8   | SAT-4V-031 | HK-0008  | .030" (0.8)               | .090" (2.3)               |  <p><b>Premium Quality for Long Life</b><br/>Iron plated to resist corrosion by solder. All dimensions are shown before tinning and are subject to manufacturing tolerances.</p> <p><b>Premium Qualität für außerordentliche Standzeit</b><br/>Die Eisenplattierung schützt gegen Korrosion. Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.</p> |
| 483-T-1.0<br>800-T-1.0   | SAT-4V-039 | HK-0010  | .040" (1.0)               | .090" (2.3)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 483-T-1.3<br>800-T-1.3   | SAT-4V-051 | HK-0013  | .050" (1.3)               | .100" (2.5)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 483-T-1.6<br>800-T-1.6   | SAT-4V-063 | HK-0016  | .060" (1.5)               | .120" (3.0)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 483-T-1.0S<br>800-T-1.0S | ---        | HKL-0010 | .040" (1.0)               | .090" (2.3)               |                                                                                                                                                                                                                                                                                                                                                                                                           |

| Hakko®    | OK Ind.®  | Plato® | D <sub>1</sub> , ( ) = mm | D <sub>2</sub> , ( ) = mm | Plato® Premium Quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------|-----------|--------|---------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 481-T-0.8 | SAT-4-031 | TM-007 | .030" (0.8)               | .070" (1.8)               |  <p><b>Premium Quality for Long Life</b><br/>Iron plated to resist erosion by solder. All dimensions are shown before tinning and are subject to manufacturing tolerances.</p> <p><b>Premium Qualität für außerordentliche Standzeit</b><br/>Die Eisenplattierung schützt gegen Korrosion. Alle angegebenen Abmessungen sind Maße vor der Verzinnung. Abweichungen entsprechen Fertigungstoleranzen.</p> |
| 481-T-1.0 | SAT-4-039 | TM-010 | .040" (1.0)               | .090" (2.3)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 481-T-1.3 | SAT-4-051 | TM-013 | .050" (1.3)               | .100" (2.5)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 481-T-1.6 | SAT-4-063 | TM-015 | .060" (1.5)               | .120" (3.0)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ---       | ---       | TM-023 | .090" (2.3)               | .107" (2.8)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



### PLATO SINCE 1955...

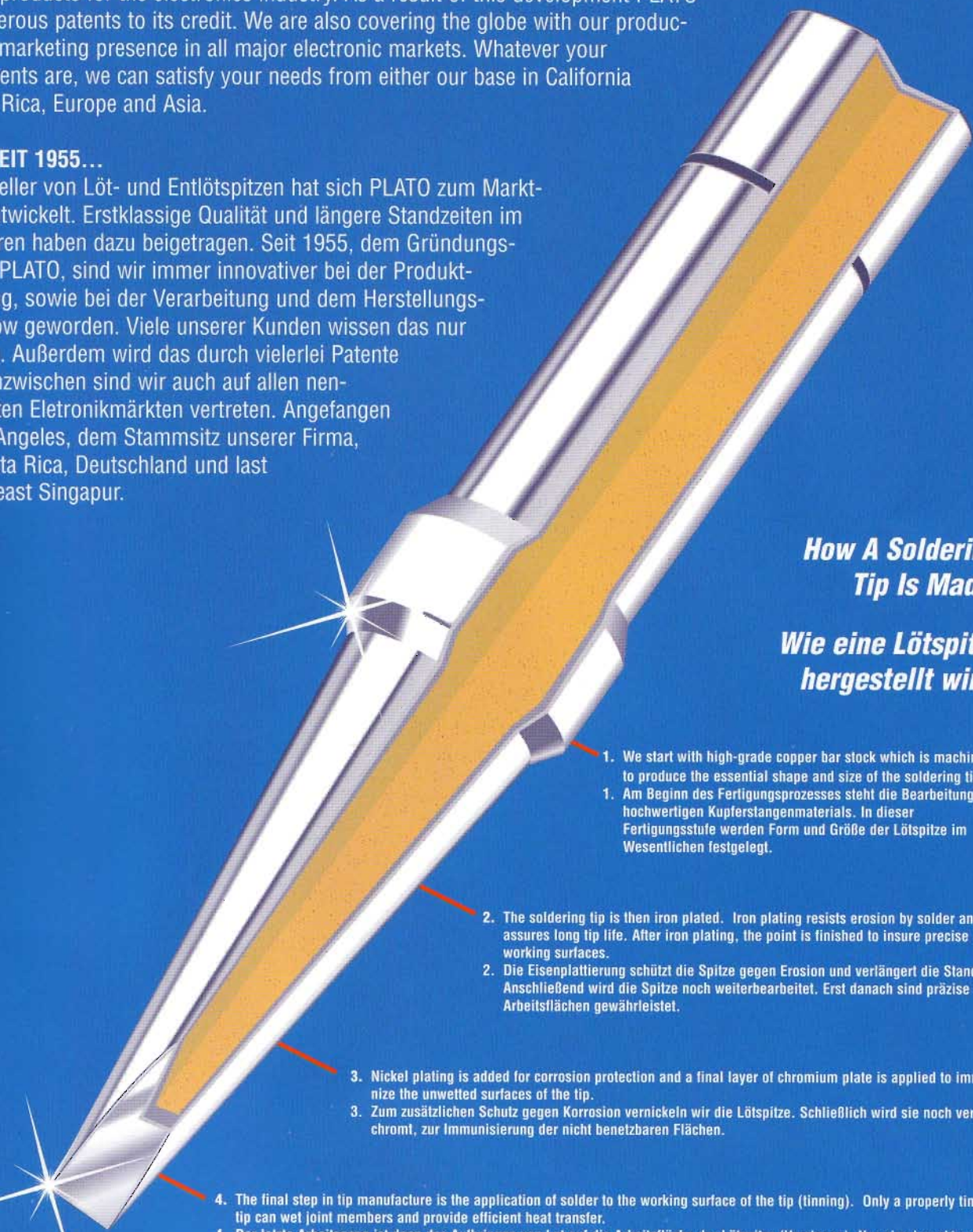
the PLATO company is a recognized world leader in the manufacture of high quality, long-life replacement soldering tips and desoldering tips. Since its founding in 1955, PLATO has established a reputation for the innovation, design and manufacture of superior products for the electronics industry. As a result of this development PLATO has numerous patents to its credit. We are also covering the globe with our production and marketing presence in all major electronic markets. Whatever your requirements are, we can satisfy your needs from either our base in California or Costa Rica, Europe and Asia.

### PLATO SEIT 1955...

als Hersteller von Löt- und Entlötpitzen hat sich PLATO zum Marktführer entwickelt. Erstklassige Qualität und längere Standzeiten im Besonderen haben dazu beigetragen. Seit 1955, dem Gründungsjahr von PLATO, sind wir immer innovativer bei der Produktgestaltung, sowie bei der Verarbeitung und dem Herstellungs-Know-How geworden. Viele unserer Kunden wissen das nur zu genau. Außerdem wird das durch vielerlei Patente belegt. Inzwischen sind wir auch auf allen nennenswerten Elektronikmärkten vertreten. Angefangen mit Los Angeles, dem Stammsitz unserer Firma, über Costa Rica, Deutschland und last but not least Singapur.

### *How A Soldering Tip Is Made:*

### *Wie eine Lötspitze hergestellt wird:*

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1. We start with high-grade copper bar stock which is machined to produce the essential shape and size of the soldering tip.  
1. Am Beginn des Fertigungsprozesses steht die Bearbeitung des hochwertigen Kupferstangenmaterials. In dieser Fertigungsstufe werden Form und Größe der Lötspitze im Wesentlichen festgelegt.
  2. The soldering tip is then iron plated. Iron plating resists erosion by solder and assures long tip life. After iron plating, the point is finished to insure precise working surfaces.  
2. Die Eisenplattierung schützt die Spitze gegen Erosion und verlängert die Standzeit. Anschließend wird die Spitze noch weiterbearbeitet. Erst danach sind präzise Arbeitsflächen gewährleistet.
  3. Nickel plating is added for corrosion protection and a final layer of chromium plate is applied to immunize the unwetted surfaces of the tip.  
3. Zum zusätzlichen Schutz gegen Korrosion vernickeln wir die Lötspitze. Schließlich wird sie noch verchromt, zur Immunisierung der nicht benetzbaren Flächen.
  4. The final step in tip manufacture is the application of solder to the working surface of the tip (tinning). Only a properly tinned tip can wet joint members and provide efficient heat transfer.  
4. Der letzte Arbeitsgang ist dann das Aufbringen von Lot auf die Arbeitsfläche der Lötspitze (Verzinnen). Nur eine korrekt verzinnte Lötspitze kann Lötstellen benetzen und gewährleistet einen wirksamen Wärmeübergang.





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