


Soldering Stations

WSD 151 Set

- Power unit, 1 channel with soldering iron WSP 150
- Further parameter with an external calibration unit. WCB 2 possible. See page 84

 LHT Soldering tip series page 183



Order-no.	Model	Description
T005 32 766 99	WSD 151 Set	Soldering station, 1 channel, 150 W / 230 V

Scope of supply:

1	T005 32 786 99	PUD 151	Power unit, 150 W
2	T005 29 170 99	WSP 150	Soldering iron 150 W, 24 V with Silver-Line Technology
3	T005 44 450 99	LHT F	Standard tip LHT F, Chisel 9,3 mm
4	T005 15 027 99	KH 27	Safety rest with cleaning sponge

WSD 151 Power Unit


- Power unit 150 W, 1 channel
- Further parameter with an external calibration unit. WCB 2 possible. See page 84



Order-no.	Model	Description
T005 32 786 99	WSD 151	Power unit 150 W, 240 V

WSD 81 Set

- Power unit 80 W, 1 channel with soldering iron WSP 80
- Further parameter with an external calibration unit. WCB 2 possible. See page 84

 LT Soldering tip series page 177-180



Order-no.	Model	Description
T005 32 606 99	WSD 81 Set	Soldering station, 1 channel, 80 W / 230 V

Scope of supply:

1	T005 32 626 99	PUD 81	Power unit, 150 W
2	T005 29 161 99	WSP 80	Soldering iron 80 W, 24 V with Silver-Line Technology
3	T005 44 405 99	LT B	Standard tip LT B, Chisel 0,8 mm
4	T005 15 140 99	WPH 80	Safety rest with cleaning sponge

Vacuum-Pen

For easy pick and place of delicate SMD components. The vacuum pen avoids stress and damage to the leads. The versatile compact sized pen is independent from compressed air or batteries.



WLSK 200 Vacuum-Pen

Order-no.	Model	Description
WLSK200	WLSK 200	Vacuum-Pen including Tip 3,2 mm x 9,5mm
Accessories:		
WLSK200T18	WLSKT 18	Replacement with tip, rubber 3,2 mm
WLSK200T38	WLSKT 38	Replacement with tip, rubber 9,5 mm
KDS260S	KDS 260S	Replacement rubber Ø 3,2 mm
KDS260M	KDS 260S	Replacement rubber Ø 6,3mm
KDS260L	KDS 260L	Replacement rubber Ø 9,5 mm

SD 1000 Solder Dispenser

- For use of coils up to 1000 g
- Length 95 mm, core Ø > 17 mm
- Length 70 mm, core Ø > 12 mm
- Length 84 mm, core Ø < 12 mm



Order-no.	Model	Description
T005 13 017 99	SD 1000	Solder Dispenser

ABW 2 Extension for additional reel

- For use of coils up to 1000 g
- Length 95 mm, core Ø > 17 mm
- Length 70 mm, core Ø > 12 mm
- Length 84 mm core Ø < 12 mm



Order-no.	Model	Description
T005 13 013 99	ABW 2	Extension for additional reel, to be fixed on SD 1000

Compressed air cleaning filter

- For WFE and WFE P

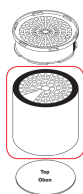


Order-no.
T005 87 357 57

Description
Compressed air cleaning filter (active carbon)

Compact filter

- For WFE and WFE P

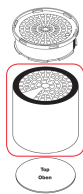


Order-no.
T005 36 410 99

Description
Compact filter (EPA filter E 12 and wide band gas filter 50% active carbon / 50% Puratex)

Compact filter

- For adhesive fumes
- For WFE and WFE P



Order-no.
T005 36 407 99

Description
Compact filter (EPA filter E 12 and wide band gas filter 100% active carbon)

Fine dust filter F 7

- For WFE and WFE P
- 3 pieces



Order-no.
T005 36 421 99

Description
Fine dust filter F7

Compact filter

- For Zero Smog 20T / WFE 20D



Order-no.
T005 87 358 38

Description
Compact filter (EPA filter E 12 and wide band gas filter 50% active carbon / 50% Puratex)

WXMT Set

- 2 x 40 W, 12 V
- For WX stations
- Slim tweezers. Ideal for soldering and desoldering of very small SMD components.



RTW Soldering
tip series
page 166/167



Order-no.	Model	Description
T005 13 178 99	WXMT Set	Micro desoldering tweezers WXMT with safety rest

Scope of supply

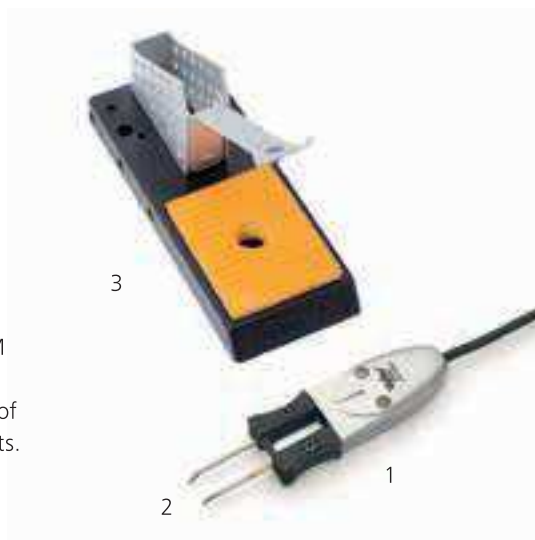
1	T005 13 177 99	WXMT	Micro desoldering tweezers 2 x 40 W, 12 V (hand piece without tips) with Active-Tip Heating Technology	
2	T005 44 652 99	RTW 2	Soldering triplet, 0,7 x 0,4 mm, 45°	
3	T005 15 169 99	WDH 60	Safety rest with dry cleaner	

WMRT Set

- 2 x 40 W, 12 V
- For rework stations WR 3M
- Slim tweezers. Ideal for soldering and desoldering of very small SMD components.



RTW Soldering
tip series
page 166/167



Order-no.	Model	Description
T005 13 173 99	WMRT Set	Micro desoldering tweezers WMRT with safety rest

Scope of supply

1	T005 13 174 99	WMRT	Micro desoldering tweezers 2 x 40 W, 12 V (hand piece without tips) with Active-Tip Heating Technology	
2	T005 44 652 99	RTW 2	Soldering triplet, 0,7 mm x 0,4 mm, 45°	
3	T005 15 146 99	WMRTH	Safety rest	

Power-Heating Technology



- Beneficial soldering tip prices
- Max. heating transfer
- Soldering tip in optimized sensor position
- Fast reaction time

Power-Response Heating Technology

Due to an optimized sensor position a high performance is given. With a wide range of beneficial soldering tips these tools are an alternative to the micro soldering irons.

WXP 65 Set

- 65 W, 24 V
- Small fast soldering iron with 65 W for for WX stations. Qualified for fine solder jobs with high heating demand.



XNT Soldering tip series
page 168/169



Order-no.	Model	Description
T005 29 212 99	WXP 65 Set	Soldering iron WXP 65 with safety rest

Scope of supply

1	T005 29 211 99	WXP 65	Soldering iron 65 W, 24 V with Power-Response Heating Technology
2	T005 44 851 99	XNT A	Standard soldering tip, Chisel, 1,6 x 0,4 mm
3	T005 15 121 99	WDH 10	Safety rest with dry cleaner

Optional:

T005 29 211 70	WXP 65 Set	WXP 65 Set with cable 2,5 m
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WP 65 Set

- 65 W, 24 V
- Small fast soldering iron with 65 W. Qualified for fine solder jobs with high heating demand.



XNT Soldering tip series
page 168/169



Order-no.	Model	Description
T005 29 216 99	WP 65 Set	Set Soldering iron WP 65 with safety rest

Scope of supply

1	T005 29 215 99	WP 65	Soldering iron 65 W, 24 V with Power-Response Heating Technology
2	T005 44 851 99	XNT A	Standard soldering tip, Chisel, 1,6 x 0,4 mm
3	T005 15 121 99	WDH 10	Safety rest with dry cleaner

Accessory for both sets:

T005 87 657 58	Barrel
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WSP 150 Set

- 150 W, 24 V
- For soldering applications with high temperature demand



LHT Soldering tip series page 183



Order-no.	Model	Description
T005 29 189 99	WSP 150 Set	Soldering iron WSP 150 with safety rest

Scope of supply

1	T005 29 170 99	WSP 150	Soldering iron 150 W, 24 V with Silver-Line Heating Technology	
2	T005 44 450 99	LHT F	Soldering tip chisel 9,3 x 2,0 mm	
3	T005 15 152 99	WDH 30	Safety rest with dry cleaner	

MPR 80 Set

- 80 W, 24 V
- Soldering iron with an adjustable head up to 40°



LT Soldering tip series page 177-180



Order-no.	Model	Description
T005 33 131 99	MPR 80 Set	Soldering iron MPR 80 with safety rest

Scope of supply

1	T005 29 163 99	MPR 80	Soldering iron 80 W, 24 V, with Silver-Line Heating Technology	
2	T005 44 405 99	LT B	Soldering tip chisel 2,4 x 0,8 mm	
3	T005 15 033 99	KH 25P	Safety rest with sponge	

Accessory

T005 87 447 10		Barrel for WSP 80 (spare)
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Unregulated Line Voltage Soldering Iron

Robust heating elements of special steel between natural mica-leaves, embedded in cast ceramics and first-class material make the Weller SPI irons outstanding in technology and life-time. Ideal for professional applications in crafts and schools.

SPI 16

- 15 W, 230 V
- Heating up time approx. 180 sec.
- Tip temperature approx. 360°C



SPI 16-Soldering tip series page 191



Order-no.	Model	Description
T005 64 005 99	SPI 16	Line voltage soldering iron unregulated 15 W, 230 V

Scope of supply

Complete with soldering tip 4SPI15212 chisel tip 1,2 mm and safety rest

SPI 27

- 25 W, 230 V
- Heating up time approx. 180 sec.
- Tip temperature approx. 410°C



SPI 27-Soldering tip series page 191



Order-no.	Model	Description
T005 64 021 99	SPI 27	Line voltage soldering iron unregulated 25 W, 230 V

Scope of supply

Complete with soldering tip 4SPI26206 chisel tip 1,2 mm and safety rest

SPI 41

- 40 W, 230 V
- Heating up time approx. 180 sec.
- Tip temperature approx. 450°C



SPI 41-Soldering tip series page 191



Order-no.	Model	Description
T005 64 037 99	SPI 41	Line voltage soldering iron unregulated 40 W, 230 V

Scope of supply

Complete with soldering tip 4SPI402224 chisel tip 2,0 mm and safety rest

SPI 81w

- 80 W, 230 V
- Heating up time approx. 180 sec.
- Tip temperature approx. 480°C



SPI 81-Soldering tip series page 191



Order-no.	Model	Description
T005 64 053 99	SPI 81	Line voltage soldering iron unregulated 80 W, 230 V

Scope of supply

Complete with soldering tip 4SPI80237 chisel tip 5,0 mm and safety rest

Desoldering Irons

Maintenance set for Desoldering Irons and nozzles

- For cleaning nozzles and for nozzle exchange



Order-no.	Description
T005 87 658 01	PDN Pliers for desoldering nozzles



Order-no.	Description
T005 87 637 73	Cleaning set for WXDP 120 and WSDV 120
T005 13 500 99	Cleaning set for DSX 80 und DXV 80



Order-no.	Description
T005 87 657 78	Glas tube for WXDP 120
T005 13 605 99	Glas tube for DSX 120 and DSX 80 (4 pieces)



Order-no.	Description
T005 87 657 72	Cone cleaner for WXDP 120 / WXDV 120 / DSX 120
T005 87 067 94	Cone cleaner for DSX 80 and DXV 80

Order-no.	Description
T005 13 500 99	Cleaning set complete

Scope of supply



T005 87 488 61	Handle
T005 13 501 99	Spare needle set, 0,6 mm / 0,9 mm / 1,4 mm / 1,9 mm



Accessory

T005 13 502 99	Spare needle set, 1 x 1,9 mm, 3 x 0,9 mm
T005 13 503 99	Spare needle set, 1 x 1,9 mm, 3 x 0,5 mm
T005 13 504 99	Spare needle set, 1 x 1,9 mm, 3 x 1,4 mm

Conical



Type	Ø a mm	Order-no.
RTW 1 45° 	0,4	T005 44 651 99
RTW 6NW* 45° 	0,2	T005 44 656 99

Type	Ø a mm	Order-no.
RTW 1MS 45° 	0,4	T005 44 655 99
RTW 6NWMS* 45° 	0,2	T005 44 656 71

* none wettable

MS tips: separate grounded

MS handles and MS soldering tips have to be used together.
MS soldering tips are for use with MS handles only (WXMT MS / WMRT MS)

MS handles for RTW MS soldering tips

- T005 29 213 99 WXMT MS Micro tweezers handle packed
- T005 29 217 99 WXMT MS Micro tweezers with safety rest WDH 60
- T005 29 192 99 WMRT MS Micro tweezers handle without tips

XHT Soldering Tip Series

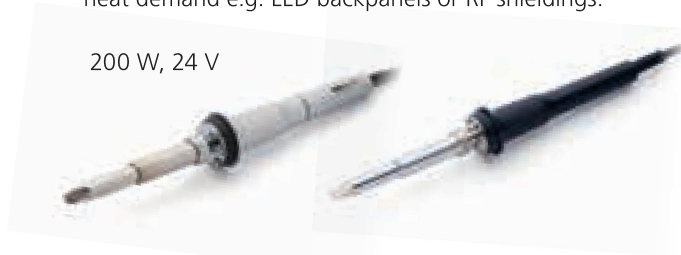
Soldering Tips for Soldering irons WP 200,WXP 200



WXP 200 / WP 200

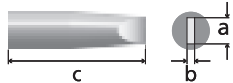
High Power soldering iron. Ideal for applications with highest heat demand e.g. LED backpanels or RF shieldings.

200 W, 24 V



- Interchangeable soldering tips at low prices
- Maximum heat transfer
- Heater with improved sensor position
- Fast reaction time

Chisel



XHT	Ø a mm	b mm	c mm	Order-no.
XHT C	3,2	1,2	48,0	T005 44 804 99
XHT D	5,0	1,2	48,0	T005 44 801 99

Type	Ø a mm	b mm	c mm	Order-no.
XHT E	7,6	1,5	48,0	T005 44 802 99
XHT F	9,3	2,0	48,0	T005 44 805 99

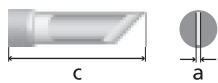
Accessories

Type	a mm	b mm	c mm	Order-no.
Measuring tip	1,25	6,0	55,0	T005 44 803 99
Barrel				T005 87 637 25

Soldering Tips

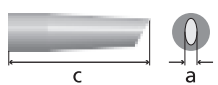
Continuation page 177, further soldering tips for WP 80, WSP 80, MPR 80, FE 75 and TCP irons

Knife



Type	Ø a mm	c mm	Order-no.
LT KN	2,0	16,5	T005 44 479 99 T005 44 479 10
LT KN5L 45°	2,0	16,5	T005 44 519 99

Sloped



Type	a mm	c mm	Order-no.
LT 4 45°	1,2	15,0	T005 44 439 99 T005 44 439 10 T005 44 421 11
LT F 45°	1,2	12,5	T005 44 408 99 T005 44 408 10 T005 44 408 11
LT AA 60°	1,6	12,5	T005 44 487 99 T005 44 487 10
LT BB 60°	2,4	17,0	T005 44 444 99 T005 44 444 10
LT BB 45°	2,4	17,0	T005 44 484 99
LT CC 60°	3,2	17,0	T005 44 445 99 T005 44 445 10
LT CC 45°	3,2	17,0	T005 44 485 99

Type	a mm	c mm	Order-no.
LT DD 45°	4,0	20,0	T005 44 478 99 T005 44 478 10
LT DD 45°	4,6	17,0	T005 44 486 99 T005 44 486 10 T005 44 486 11
LT 11CP 45°	1,2	15,0	T005 44 421 71
LT 22CP 45°	2,0	20,0	T005 44 408 73
LT 33CP 45°	3,0	20,0	T005 44 408 77
LT 44CP 45°	4,0	20,0	T005 44 408 81

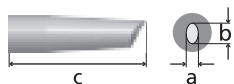
Conical



Type	Ø a mm	c mm	Order-no.
LT 1L	0,2	25,4	T005 44 423 99 T005 44 423 10 T005 44 423 11
LT 1LNW*	0,1	25,4	T005 44 498 99
LT S	0,4	21,0	T005 44 406 99 T005 44 406 10 T005 44 406 11

Type	Ø a mm	c mm	Order-no.
LT T	0,6	13,0	T005 44 482 99 T005 44 482 10 T005 44 482 11
LT O	0,8	17,0	T005 44 481 99 T005 44 515 10
LT 1LX 35°	0,2	25,4	T005 44 424 99 T005 44 424 10 T005 44 424 11

Gull Wing



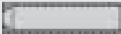
Type	Ø a mm	b mm	c mm	Order-no.
LT GW1	2,3	3,2	17,8	T005 44 410 99 T005 44 410 10 T005 44 410 11
LT GW2	3,5	4,8	17,8	T005 44 511 99 T005 44 511 10

- T005XXXXX99 = 1 Piece
- T005XXXXX10 = 10 Pieces
- T005XXXXX11 = 100 Pieces

* none wettable

MT-LT Adapter

All TCP, LR 21 soldering irons are delivered with adapter.

Order-no.	Description
T005 44 121 99	MT-LT Adapter for use with LT soldering tip series (see page 87) 
T005 87 207 95	Barrel for MT-LT Adapter

Caution: Not qualified for lead free solder bath or other electronic solder.


Soldering tips for high melting solder for WP 80, WSP 80, MPR 80 and FE 75



Order-no.	Model	Description	Width A	Thickness B	Length L
T005 44 430 99 T005 44 430 10	LT H HPB	Chisel tip, (1 piece) (10 pieces)	0,8 mm	0,4 mm	13,5 mm
T005 44 431 99 T005 44 431 10	LT A HPB	Chisel tip, (1 piece) (10 pieces)	1,6 mm	0,7 mm	13,5 mm
T005 44 432 99 T005 44 432 10	LT B HPB	Chisel tip, (1 piece) (10 pieces)	2,4 mm	0,8 mm	13,5 mm
T005 44 483 99	LT D HPB	Chisel tip, (1 piece)	4,6 mm	0,8 mm	13,5 mm

* for HPB solder = solder with high consumption of lead



SMT Adapter + Tips for LR 21, WP 80, WSP 80, WSP 80FE, WSP 80IG and MPR 80

Order-no.	Model	Description
T005 44 417 99	SMT	SMT Adapter for WSP 80 
SMTA	SMTA	SMT Adapter for LR 21
SMT0504A	SMT0504A	A/1, for components 1,0 x 1,2 mm, 12 x 1,0 mm, 1,2 x 1,2 mm, 1,6 x 0,8 mm
SMT1206D	SMT1206D	D/1, for components 3,2 x 1,6 mm, 3,2 x 2,5 mm
SMT8K	SMT8K	K/2, for components 5,0 x 4,0 mm



■ For use with soldering robot application with heating element HER 80

LT Soldering Tips with twist lock

Order-no.	Model	Description	Width A	Thickness B	Length L	
T005 44 441 99 T005 44 441 10	LTR A	Chisel tip (1 piece) (10 pieces)	1,6 mm	0,8 mm	17,0 mm	
T005 44 422 99 T005 44 422 10 T005 44 422 71	LTR B	Chisel tip 1,5 mm wetable (1 piece) (10 pieces) (1 piece) none wettable	2,4 mm	0,8 mm	17,0 mm	
T005 44 433 99 T005 44 433 10	LTR C	Chisel tip (1 piece) (10 pieces)	3,2 mm	0,8 mm	17,0 mm	
Special tips on request						

Soldering Tips

ET Soldering Tip Series

Soldering Tips for Soldering irons LR 21



Order-no.	Model	Description	Width A	Thickness B	
4ETS 4ETO	ET S ET O	Longform Conical Longform Conical	Ø 0,4 mm Ø 0,8 mm		
4ETR	ET R	Chisel tip slim	1,6 mm	0,7 mm	
4ETH 4ETA 4ETB 4ETC 4ETD 4ETE	ET H ET A ET B ET C ET D ET E	Chisel tip Chisel tip Chisel tip Chisel tip Chisel tip Chisel tip	0,8 mm 1,6 mm 2,4 mm 3,2 mm 4,6 mm 5,6 mm	0,4 mm 0,7 mm 0,8 mm 0,8 mm 0,8 mm 1,2 mm	
4ETK 4ETL 4ETM	ET K ET L ET M	Chisel tip long Chisel tip long Chisel tip long	1,2 mm 2,0 mm 3,2 mm	0,4 mm 1,0 mm 1,2 mm	
4ETF 4ETBB 4ETCC	ET F ET BB ET CC	Round tip sloped 45° Round tip sloped 45° Round tip sloped 45°	Ø 1,2 mm Ø 2,4 mm Ø 3,2 mm		
4ETP 4ETBS 4ETCS	ET P ET BS ET CS	Round tip blunt Round tip blunt Round tip blunt	Ø 0,8 mm Ø 2,4 mm Ø 3,2 mm		
T005 41 039 99 T005 41 040 99	ET SMD ET SMD	Chip soldering / desoldering tip, component size 2,5 mm x 1,5 mm Chip soldering / desoldering tip, component size 3,8 mm x 1,5 mm			
T005 41 045 99	ET GW	Gullwing tip			
T005 41 703 99		Screw in tip with M5 outside thread			
T005 24 750 99		ET Measuring tip for thermoelement Ø 0,5 mm			
T005 10 311 99		Barrel			

ET-LT Adapter

Soldering tips of the LT series are used with an adapter in the soldering iron LR 21.

Order-no.	Model	Description	
T005 87 207 81		ET-LT Adaptor with barrel for use with LT series tips with LR 21 and FE 50 soldering irons	
T005 87 207 94		Spare barrel for ET-LT Adapter	

■ T005XXXXX99 = 1 Piece
 ■ T005XXXXX10 = 10 Pieces
 ■ T005XXXXX11 = 100 Pieces

Continuation page 186, further soldering tips for TCPS, TCP 12, TCP 24

Order-no.	Model	Description	Width A	Thickness B
4PTF7	PT F7	Round tip sloped 370°C	Ø 1,2 mm	
4PTF8	PT F8	Round tip sloped 425°C	Ø 1,2 mm	
4PTAA7	PT AA7	Round tip sloped 370°C	Ø 1,6 mm	
4PTAA8	PT AA8	Round tip sloped 425°C	Ø 1,6 mm	
4PTAA9	PT AA9	Round tip sloped 480°C	Ø 1,6 mm	
4PTBB7	PT BB7	Round tip sloped 370°C	Ø 2,4 mm	
4PTBB8	PT BB8	Round tip sloped 425°C	Ø 2,4 mm	
4PTBB9	PT BB9	Round tip sloped 480°C	Ø 2,4 mm	
4PTCC7	PT CC7	Round tip sloped 370°C	Ø 3,2 mm	
4PTCC8	PT CC8	Round tip sloped 425°C	Ø 3,2 mm	
4PTCC9	PT CC9	Round tip sloped 480°C	Ø 3,2 mm	
4PTDD7	PT DD7	Round tip sloped 370°C	Ø 5,0 mm	
4PTDD8	PT DD8	Round tip sloped 425°C	Ø 5,0 mm	
4PTDD9	PT DD9	Round tip sloped 480°C	Ø 5,0 mm	

If other soldering tip dimensions are required, please use LT tips with the PT/LT adapter.








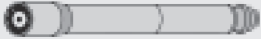

- Soldering tips of LT soldering tip series are used with an adapter in soldering iron TCPS, TCP 12 and TCP 24.
- All TCP and LR 21 soldering irons are delivered with the adapter.

PT-LT Adapter for TCPS, TCP 12, TCP 24





Order-no.	Model	Description	
T005 87 207 86	PT6-LT	PT6-LT-adapter with barrel 310°C	
T005 87 207 87	PT7-LT	PT7-LT-adapter with barrel 370°C	
T005 87 207 88	PT8-LT	PT8-LT-adapter with barrel 425°C	
T005 87 207 89	PT9-LT	PT9-LT-adapter with barrel 480°C	
T005 87 207 94		Spare barrel for PT/LT adapter	

Soldering Tips

Soldering Tips for WP 60


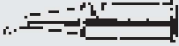




Order-no.	Model	Description	Width A	
T005 16 134 99	60-01-05	Needle tip	Ø 0,5 mm	
T005 16 443 99	60-01-01	Needle tip	Ø 1,0 mm	
T005 16 444 99	60-01-02	Chisel tip	2,4 mm	
T005 16 446 99	60-01-04	Chisel tip	5,0 mm	
T005 16 445 99	60-01-03	Round tip sloped 45°	Ø 2,0 mm	
T005 16 447 99	60-01-52	Hot air nozzle	Ø 4,7 mm	
T005 16 135 99	60-01-06	Knife 45°	5,0 mm	
T005 16 448 99	60-07U	Ejector unit		
T005 16 450 99	60-02	Protective cap for WP 60 (spare part)		

Soldering Tips for Pyropen Jr.

Order-no.	Model	Description	Width A	
T005 16 165 99	71-01-01	Needle tip	Ø 1,0 mm	
T005 16 166 99	71-01-02	Chisel tip	2,0 mm	
T005 16 161 99	71-01-04	Chisel tip	5,0 mm	
T005 16 167 99	71-01-03	Round tip sloped 45°	Ø 2,0 mm	
T005 16 168 99	71-01-50	Hot air nozzle	Ø 1,5 mm	
T005 16 169 99	71-01-52	Hot air nozzle	Ø 4,7 mm	
T005 16 172 99	71-07U	Ejector unit		





- T005XXXXX99 = 1 Piece
- T005XXXXX10 = 10 Pieces
- T005XXXXX11 = 100 Pieces

Soldering Tips for Pyropen and Pyropen Piezo

Order-no.	Model	Description	Diameter Ø	Width A	
T005 16 120 99	70-01-01	Needle tip	Ø 1,0 mm		
T005 16 124 99	70-01-05	Needle tip extra slim	Ø 0,5 mm		
T005 16 129 99	70-01-10	Needle tip bent 30°	Ø 1,0 mm		
T005 16 121 99	70-01-02	Chisel tip		3,0 mm	
T005 16 132 99	70-01-13	Chisel tip		5,0 mm	
T005 16 130 99	70-01-11	Chisel tip		7,7 mm	
T005 16 122 99	70-01-03	Round tip sloped	Ø 2,0 mm		
T005 16 123 99	70-01-04	Round tip sloped	Ø 3,0 mm		
T005 16 125 99	70-01-06	Round tip sloped, conical	Ø 2,0 mm		
T005 16 127 99	70-01-08	Round tip sloped 35°	Ø 2,0 mm		
T005 16 140 99	70-01-50	Hot air nozzle	Ø 1,7 mm		
T005 16 141 99	70-01-51	Hot air nozzle	Ø 3,3 mm		
T005 16 142 99	70-01-52	Hot air nozzle	Ø 4,9 mm		
T005 16 143 99	70-01-53	Hot air nozzle	Ø 7,0 mm		
T005 16 151 99	70-07TU	Ejector unit, not for Piezo			
T005 16 150 99	70-07SU	Solder ejector, not for Piezo			
T005 16 159 99	70-01-55	Reflector for heat shrinking	Ø 6,0 mm	18,0 mm	
T005 16 158 99	70-01-54	Reflector for heat shrinking	Ø 8,0 mm	22,0 mm	

DS Desoldering nozzles




Desoldering nozzles with thread for DS 22, DS 80 and DSV 80

Order-no.	Model	Description	Outer Ø	Inner Ø	Nozzle Length	
T005 13 510 99*	DS 110	Nozzle	1,9 mm	0,7 mm	18 mm	
T005 13 532 99*	DS 110HM	Nozzle with improved heat transfer	1,9 mm	0,7 mm	18 mm	
T005 13 511 99*	DS 111	Nozzle	2,5 mm	0,7 mm	18 mm	
T005 13 512 99*	DS 112	Nozzle	2,3 mm	1,0 mm	18 mm	
T005 13 533 99*	DS 112HM	Nozzle with improved heat transfer	1,9 mm	0,9 mm	18 mm	
T005 13 513 99*	DS 113	Nozzle	2,5 mm	1,2 mm	18 mm	
T005 13 530 99*	DS 113HM	Nozzle with improved heat transfer	2,5 mm	1,2 mm	18 mm	
T005 13 514 99*	DS 114	Nozzle	3,3 mm	1,8 mm	18 mm	
T005 13 515 99*	DS 115	Nozzle	1,9 mm	0,7 mm	24,5 mm	
T005 13 516 99*	DS 116	Nozzle	2,7 mm	1,2 mm	24,5 mm	
T005 13 550 99*	DS 117	Nozzle	2,9 mm	1,5 mm	18 mm	
T005 13 551 99*	DS 118	Nozzle	1,5 mm	0,7 mm	18 mm	
T005 13 527 99*	DS 119	Needle triplet with unwettable stainless steel tube for removal of solder bridges in connection with hot air pencil	1,9 mm	0,7 mm	26 mm	
T005 13 552 99*	DS 120	Nozzle without inside tube, for cleaning SMD pads	2,5 mm	1,1 mm	15,5 mm	
T005 24 749 99*		Measuring nozzle	3,3 mm	0,55 mm	18 mm	
T005 13 770 99*		Nozzle-Set DS 110 - DS 115				






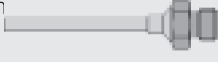





*Discontinuation

Hot Air Nozzles

Hot air nozzles for HAP 1, HAP 200 and WXHAP 200

Order-no.	Model	Description	Width A	Thickness B	
T005 87 617 28		Adapter M6 for HAP 200			
T005 87 277 74	F02	Flat nozzle	8,0 mm	1,5 mm	
T005 87 277 73	F04	Flat nozzle	10,5 mm	1,5 mm	
T005 87 277 72	F06	Flat nozzle	12,0 mm	1,5 mm	

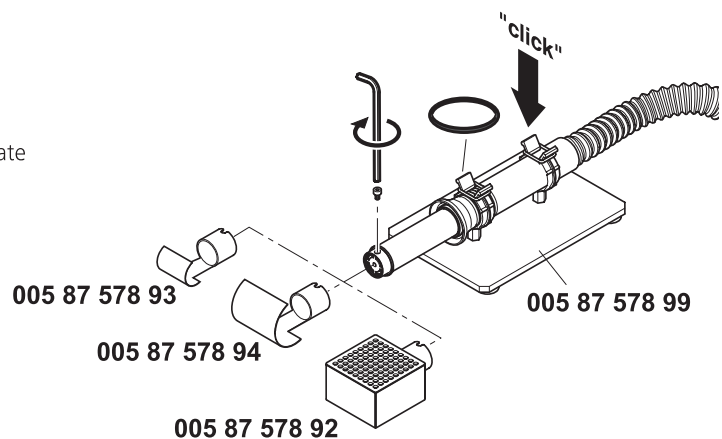
Hot air nozzles for HAP 1, HAP 200 and WXHAP 200

Order-no.	Model	Description	Diameter D	Distance C	Length C	
T005 87 278 23	R02	Round nozzle	Ø 0,8 mm			 
T005 87 278 21	R04	Round nozzle	Ø 1,2 mm			 
T005 87 278 22	R06	Round nozzle	Ø 3,0 mm			 
T005 87 277 87	R10	Round nozzle long	Ø 2,0 mm		50 mm	 
T005 87 277 86	R08	Round nozzle long bent	Ø 2,0 mm		50 mm	 
T005 87 277 76	FD2	Dual nozzle	Ø 1,5 mm	8 mm		 
T005 87 277 75	FD4	Dual nozzle	Ø 1,5 mm	10 mm		 

Hot Air Nozzles



- The ND and NQ nozzles have an integrated pre-heating plate for pre-heating components by means of contact heat. Air outlet slots are located around the plate with a width of approx. 1 mm for the hot air.













Hot air nozzles for HAP 3000 (WHA 3000P / V), HAP 2 (WHA 2000) and HAP 3 (WHA 700, WHA 300)





Order-no.	Model	Description	Diameter Ø	
T005 87 368 81	NR04	Round nozzle, without vacuum	Ø 2,5 mm	
T005 87 368 67	NR05	Round nozzle, without vacuum	Ø 4,0 mm	
T005 87 368 70	NR10	Round nozzle, without vacuum	Ø 7,0 mm	
T005 87 507 70	NRV07	Hot air nozzle with vacuum for small components	Ø 7,0 mm	
T005 87 507 72	NRV10	Hot air nozzle with vacuum for small components	Ø 10,0 mm	
T005 87 507 74	NRV12	Hot air nozzle with vacuum for small components	Ø 12 mm	
T005 87 368 82	NR02	Round nozzle, bent without vacuum	Ø 1,7 mm x 45°	
T005 87 507 65	NR06	Round nozzle, bent without vacuum	Ø 6,0 mm x 45°	
T005 87 368 83	DR05	Dual nozzle round, without vacuum	2 x Ø 2,5 mm	

Hot Air Nozzles

Four sides heated (Type NQ)

Order-no.	Model	Description	Length X	Width Y	
T005 87 368 39	NQ05	Hot air nozzle, 4 sides heated	10,7 mm	10,7 mm	
T005 87 368 38	NQ15	Hot air nozzle, 4 sides heated	14,5 mm	10,0 mm	
T005 87 368 18	NQ10	Hot air nozzle, 4 sides heated	14,8 mm	14,8 mm	
T005 87 368 37	NQ20	Hot air nozzle, 4 sides heated	15,5 mm	13,0 mm	
T005 87 368 14	NQ25	Hot air nozzle, 4 sides heated	18,0 mm	18,0 mm	
T005 87 507 21	NQ30	Hot air nozzle, 4 sides heated	17,5 mm	23,5 mm	
T005 87 368 07	NQ35	Hot air nozzle, 4 sides heated	20,5 mm	20,5 mm	
T005 87 368 80	NQ	Hot air nozzle, 4 sides heated	24,0 mm	12,0 mm	
T005 87 368 04	NQ40	Hot air nozzle, 4 sides heated	26,0 mm	26,0 mm	
T005 87 368 33	NQ45	Hot air nozzle, 4 sides heated	31,3 mm	31,3 mm	
T005 87 368 91	NQ50	Hot air nozzle, 4 sides heated	36,0 mm	36,0 mm	
T005 87 368 90	NQ55	Hot air nozzle, 4 sides heated	43,0 mm	43,0 mm	

4 sides heated (Type NQ) continuation

Order-no.	Model	Description	Length X	Width Y	
T005 87 507 41	NQT 10	Hot air nozzle, 4 sides heated, without protruding edge for thin components	14,8 mm	14,8 mm	
T005 87 507 42	NQT25	Hot air nozzle, 4 sides heated, without protruding edge for thin components	18,0 mm	18,0 mm	
T005 87 507 39	NQT	Hot air nozzle, 4 sides heated, without protruding edge for thin components	22,0 mm	22,0 mm	
T005 87 368 75	NA 20	Measuring nozzle for calibration			

Special tips on request

Pre heating nozzle for HAP 3




Order-no.	Description
T005 87 578 92	Pre heating nozzle for HAP 3

Multi rest



Order-no.	Description
T005 15 048 99	Multi rest for nozzle NR, ND NQ

Rubber insert for CSF heads (spare)

Order-no.	Description	
T005 87 137 99	Ø 4,5 mm, 10 pieces	
T005 87 137 98	Ø 10,0 mm, 10 pieces	