Soldering tips and nozzles

INNOVATIVE AND COST-EFFECTIVE

How can you identify genuine Weller tips?

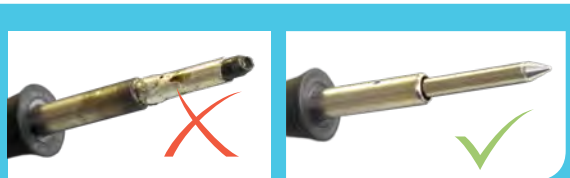
Seal of quality

The soldering tip and tool packages bear the genuine Weller seal of quality.

Engraving

Genuine Weller tips are engraved with the Weller logo. Engraved soldering tips guarantee this level of quality.

Tool protection
Perfect interaction between the heater and soldering tip protects the soldering iron from irreparable damage. Other tips often damage the heating system.



Soldering tips

CT2 Soldering tips

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	°C	A	B	PU	Order No.
CT2 E7 	370	7.0		1	T005 42 407 99N
CT2 E8 	425	7.0		1	T005 42 408 99N
CT2 EX7 	370	7.0		1	T005 42 507 99N
CT2 EX8 	425	7.0		1	T005 42 508 99N
CT2 EX9	480	10.0		1	T005 42 509 99N
CT2 F7 	370	10.0		1	T005 42 417 99N

Model	°C	A	B	PU	Order No.
CT2 F8 	425	10.0		1	T005 42 418 99N
CT2 F9		10.0		1	T005 42 419 99N
CT2 FX7 	370	10.0		1	T005 42 517 99N
CT2 FX8 	425	10.0		1	T005 42 518 99N
CT2 FX9	480	10.0		1	T005 42 519 99N
CT2 G8 	425	11.0		1	T005 42 428 99N
CT2 G9		11.0		1	T005 42 429 99N

CT5 Soldering tips

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	°C	A	B	PU	Order No.
CT5 A6	310	1.6		1	4CT5A6- 1
CT5 A7	370	1.6		1	4CT5A7- 1
CT5 A8	425	1.6		1	4CT5A8- 1
CT5 AX7	370	1.6		1	T005 42 107 99
CT5 B7	370	2.4		1	4CT5B7- 1
CT5 B8	425	2.4		1	4CT5B8- 1
CT5 BX7	370	2.4		1	T005 42 117 99

Model	°C	A	B	PU	Order No.
CT5 C6	310	3.2		1	4CT5C6- 1
CT5 C7	370	3.2		1	4CT5C7- 1
CT5 C8	425	3.2		1	4CT5C8- 1
CT5 CX8	425	3.2		1	T005 42 128 99
CT5 D7	370	5.0		1	4CT5D7- 1
CT5 D8	425	5.0		1	4CT5D8- 1
CT5 DX8	425	5.0		1	T005 42 138 99

CT6 Soldering tips

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	°C	A	B	PU	Order No.
CT6 C7 	370	3.2		1	4CT6C7- 1
CT6 C8 	425	3.2		1	4CT6C8- 1
CT6 D7 	370	5.0		1	4CT6D7- 1
CT6 D8 	425	5.0		1	4CT6D8- 1
CT6D9 	425	5.0		1	4CT6D9- 1
CT6 E7 	370	7.0		1	4CT6E7- 1
CT6 E8 	425	7.0		1	4CT6E8- 1

Model	°C	A	B	PU	Order No.
CT6 DX8 	425	5.0		1	T005 42 318 99N
CT6 F7	425	5.0		1	4CT6F7- 1
CT6 F8	425	5.0		1	4CT6F8- 1
CT6-7 Adapter LHT 				1	T005 61 046 67N
CT6-9 Adapter LHT				1	T005 61 046 69N

ET Soldering tips

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
ET A	1.6	0.7	34.5	1	4ETA-1
ET B	2.4	0.8	34.5	1	4ETB-1
ET C	3.2	0.8	34.5	1	4ETC-1
ET D	4.6	0.8	34.5	1	4ETD-1
ET DS	4.6	0.8	34.5	1	4ETDS-1
ET E	5.6	1.2	34.5	1	4ETE-1

Model	A	B	C	PU	Order No.
4ETHL-1	0.8	0.4	34.5	1	4ETHL-1
ET L	2.0	1.0	43.5	1	4ETL-1
ET M	3.2	1.2	43.5	1	4ETM-1
ET R	1.6	0.7	34.5	1	4ETR-1
4ETKL-1	1.2	0.8	44	1	4ETKL-1
4ETSL-1	0.3		43.5	1	4ETSL-1

Round

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
ET AA	4.6	0.8	34.5	1	4ETAA-1
ET BB	2.4		34.5	1	4ETBB-1
ET CC	3.2		34.5	1	4ETCC-1

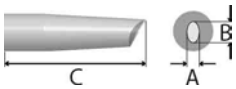
Model	A	B	C	PU	Order No.
ET CS	3.2		34.5	1	4ETCS-1
ET F	1.2		34.5	1	4ETF-1
ET P	0.8		34.5	1	4ETP-1

Conical

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
4ETOL-1 	0.8		43.5	1	4ETOL-1

Gullwing (solder deposit tip)



A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
ET GW 	4.3	3	35	1	T005 41 045 99
ET SMD 	2.5	1.5	45	1	T005 41 039 99

Model	A	B	C	PU	Order No.
ET SMD 	3.8	1.5	45	1	T005 41 040 99

Measuring tip

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
ET Measuring tip 	0.5		30	1	T005 24 750 99

Model	A	B	C	PU	Order No.
ET-LT Adapter 				1	T005 87 207 81

HT Soldering tips

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
HT 1 	3.2	1.0	49	1	T005 44 260 99
HT 2 	5.2	1.2	46	1	T005 44 261 99
HT 3 	7.0	1.2	46	1	T005 44 262 99

Model	A	B	C	PU	Order No.
HT C 	3.2	1.0	54	1	T005 44 267 99
HT D 	4.6	1.0	54	1	T005 44 268 99
HT E 	5.6	1.0	54	1	T005 44 269 99N

Measuring tip

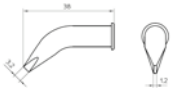
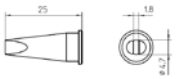
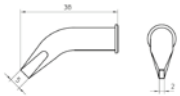
A = Width mm
B = Thickness mm
C = Length mm

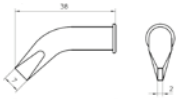
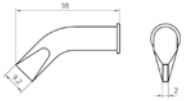
Model	A	B	C	PU	Order No.
Measuring tip 	0.6		46	1	T005 44 263 99

LHT Soldering tips

Chisel shape

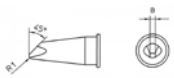
A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
LHT C 	3.2	1.2	25	1	T005 44 455 99
LHT CX 	3.2	1.2	38	1	T005 44 513 99
LHT D 	4.7	1.8	25	1	T005 44 452 99
LHT DX 	5.0	2.0	38	1	T005 44 462 99

Model	A	B	C	PU	Order No.
LHT E 	6.7	1.8	25	1	T005 44 451 99
LHT EX 	7.0	2.0	38	1	T005 44 461 99
LHT F 	9.3	1.8	25	1	T005 44 450 99
LHT FX 	9.0	2.0	38	1	T005 44 460 99

Bevel Cut (Sloped)

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
LHT D 45° 		1.8	25	1	T005 44 456 99

LT Soldering tips

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
LT 1SC	0.4	0.15	15	1	T005 44 494 99
LT 1SCNW	0.3	0.1	15	1	T005 44 497 99
LT 4X	1.2	0.4	16.5	1	T005 44 428 99
LT A	1.6	0.7	13.0	1	T005 44 440 99
LT ALX	1.6	0.7	18.0	1	T005 44 443 99
LT ASL	1.6	0.45	13.0	1	T005 44 516 99
LT AX	1.6	0.8	14.1	1	T005 44 427 99
LT B	2.4	0.8	13.0	1	T005 44 405 99
LT BSL	2.4	0.45	13.0	1	T005 44 517 99
LT BX	2.4	0.8	18.0	1	T005 44 442 99
LT C	3.2	0.8	13.0	1	T005 44 407 99
LT D	4.6	0.8	13.0	1	T005 44 409 99
LT DLL	4.6	1.2	13.0	1	T005 44 448 99
LT H	0.8	0.4	13.0	1	T005 44 437 99
LT HX	0.8	0.4	18.0	1	T005 44 420 99
LT K	1.2	0.4	20	1	T005 44 438 99

Model	A	B	C	PU	Order No.
LT L 	2.0	1.0	20	1	T005 44 414 99
LT M 	3.2	1.2	20	1	T005 44 415 99

Model	A	B	C	PU	Order No.
LT MX 	3.2	1.2	19.0	1	T005 44 469 99
LT MX2 	3.0	1.0		1	T005 44 512 99

Round

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
LT 1 	0.25		13.0	1	T005 44 435 99
LT 1A 	0.5		13.0	1	T005 44 489 99
LT 1S 	0.2		15	1	T005 44 436 99
LT 1SA 	0.5		15	1	T005 44 488 99
LT 1SLX 30° 	0.4		22	1	T005 44 426 99

Model	A	B	C	PU	Order No.
LT 1SNW 	0.1		15	1	T005 44 496 99
LT 1X 30° 	0.4		13.0	1	T005 44 425 99
LT AS 	1.6		13.0	1	T005 44 404 99
LT BS 	2.0		21	1	T005 44 499 99
LT CS 	3.2		13.0	1	T005 44 411 99

Bevel Cut (Sloped)

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
LT 22CP	2.0		20	1	T005 44 408 73
LT 33CP	3.0		20	1	T005 44 408 77
LT 4	1.2		15	1	T005 44 439 99
LT AA 60°	1.6		13.0	1	T005 44 487 99
LT BB 45	2.4		17	1	T005 44 484 99

Model	A	B	C	PU	Order No.
LT BB 60	2.4		17	1	T005 44 444 99
LT CC 60	3.2		17	1	T005 44 445 99
LT DD 45	4		20	1	T005 44 478 99
LT DD 45	4.6		17	1	T005 44 486 99
LT F	1.2		13.0	1	T005 44 408 99

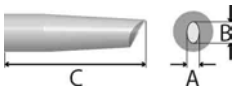
Conical

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
LT 1L	0.2		26	1	T005 44 423 99
LT 1LNW	0.1		26	1	T005 44 498 99
LT 1LX	0.2		26	1	T005 44 424 99

Model	A	B	C	PU	Order No.
LT O	0.8		17.0	1	T005 44 481 99
LT S	0.4		20	1	T005 44 406 99
LT T	0.6		13.0	1	T005 44 482 99

Solder depot



A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
LT GW1	1.4	2.2	18	1	T005 44 410 99
LT GW2	3.5	4.8	18	1	T005 44 511 99

Knife

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
LT KN	2.0		17	1	T005 44 479 99
LT KNSL 45°	2.0		17	1	T005 44 519 99

Measuring tip

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
LT Measuring tip	0.5		13.0	1	T005 44 416 99

A = Width mm
B = Thickness mm
C = Length mm

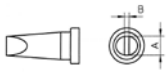
Model	A	B	C	PU	Order No.
LT Screw in tip	M4		8	1	T005 44 449 99
XT External thread, refined	M4		36	1	T005 44 719 99

LTR Soldering tips

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
LTR A 	1.6	0.7	18	1	T005 44 441 99
LTR B 	2.4	0.8	18	1	T005 44 422 99

Model	A	B	C	PU	Order No.
LTR C 	3.2	0.8	18	1	T005 44 433 99

LT HPB Soldering tips

Chisel shape

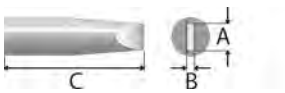
A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
LT A HPB 	1.6	0.7	13.0	1	T005 44 431 99
LT B HPB 	2.4	0.8	13.0	1	T005 44 432 99

Model	A	B	C	PU	Order No.
LT D HPB 	4.6	0.8	13.0	1	T005 44 483 99
LT H HPB 	0.8	0.4	13.0	1	T005 44 430 99

NT Soldering tips

Chisel shape



A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
NT 1SC	0.4	0.15	8.5	1	NT1SC
NT 6	1.6	0.7	11	1	NT6
NT A	1.6	0.4	9.5	1	NTA
NT AX	1.6	0.4	8.2	1	NTAX
NT B	2.4	0.8	7.8	1	NTB

Model	A	B	C	PU	Order No.
NT C	3.2	0.8	8.5	1	NTC
NT D	4	0.8	8.5	1	NTD
NT H	0.8	0.4	8.4	1	NTH
NT K	1.2	0.4	8.4	1	NTK

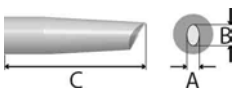
Round

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
NT 1	0.5		8.5	1	NT1
NT 1S	0.25		10	1	NT1S

Model	A	B	C	PU	Order No.
NT 1X	0.4		8.6	1	NT1X
NT 4	1.2		9.9	1	NT4

Gullwing (solder deposit tip)



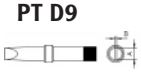
A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
NT GW	2.0	3	13.4	1	NTGW

PT Soldering tips

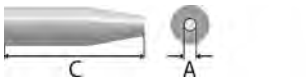
Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	Temperature °C	PU	Order No.
PT A6 	1.6	0.7	33	310	1	4PTA6-1
PT A7 	1.6	0.7	33	370	1	4PTA7-1
PT A8 	1.6	0.7	33	425	1	4PTA8-1
PT B6 	2.4	0.8	33	310	1	4PTB6-1
PT B7 	2.4	0.8	33	370	1	4PTB7-1
PT B8 	2.4	0.8	33	425	1	4PTB8-1
PT B9 	2.4	0.8	33	480	1	4PTB9-1
PT C7 	3.2	0.8	33	370	1	4PTC7-1
PT C8 	3.2	0.8	33	425	1	4PTC8-1
PT C9 	3.2	0.8	33	480	1	4PTC9-1
PT D7 	4.6	0.8	33	370	1	4PTD7-1
PT D8 	4.6	0.8	33	425	1	4PTD8-1
PT D9 	4.6	0.8	33	480	1	4PTD9-1
PT E7	5.6	1.2	33	370	1	4PTE7-1
PT E8 	5.6	1.2	33	425	1	4PTE8-1

Model	A	B	C	Temperature °C	PU	Order No.
PT E9 	5.6	1.2	33	480	1	4PTE9-1
PT H6 	0.8	0.4	35	310	1	4PTH6-1
PT H7 	0.8	0.4	35	370	1	4PTH7-1
PT H8 	0.8	0.4	35	425	1	4PTH8-1
PT K6 	1.2	0.4	42	310	1	4PTK6-1
PT K7 	1.2	0.4	42	370	1	4PTK7-1
PT K8 	1.2	0.4	42	425	1	4PTK8-1
PT L6 	2.0	1.0	44	310	1	4PTL6-1
PT L7 	2.0	1.0	42	370	1	4PTL7-1
PT L8	2.0	1.0	42	425	1	4PTL8-1
PT M7 	3.2	1.2		370	1	4PTM7-1
PT M8 	3.2	1.2		425	1	4PTM8-1
PT M9 	3.2	1.2		480	1	4PTM9-1
PT MX7 	3.2	1.2		370	1	T005 41 307 99
PT R7 	1.6	0.7	33	370	1	4PTR7-1
PT R8 	1.6	0.7	33	425	1	4PTR8-1

Round



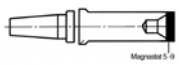
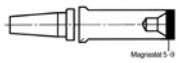
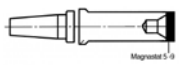
A = Width mm
B = Thickness mm
C = Length mm

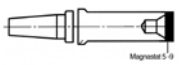
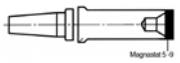
Model	A	B	C	Temperature °C	PU	Order No.
PT AA7 	1.6		33	370	1	4PTAA7-1
PT AA8 	1.6		33	425	1	4PTAA8-1
PT AA9 	1.6		33	480	1	4PTAA9-1
PT BB7 	2.4		34.5	370	1	4PTBB7-1
PT BB8 	2.4		34.5	425	1	4PTBB8-1
PT BB9 	2.4		34.5	480	1	4PTBB9-1
PT BS7 	2.4		34.5	480	1	4PTBS7-1
PT CC7 	3.2		33	370	1	4PTCC7-1
PT CC8 	3.2		33	425	1	4PTCC8-1
PT CC9 	3.2		33	480	1	4PTCC9-1
PT CS7 	3.2		33	370	1	4PTCS7-1
PT DD7 	5.0		33	370	1	4PTDD7-1
PT DD8 	5.0		33	425	1	4PTDD8-1
PT DD9 	5.0		33	480	1	4PTDD9-1
PT F7 	1.2		33	370	1	4PTF7-1
PT F8 	1.2		33	425	1	4PTF8-1
PT 06 	0.8		44	310	1	4PTO6-1
PT 07 	0.8		44	370	1	4PTO7-1
PT 08 	0.8		44	425	1	4PTO8-1

Model	A	B	C	Temperature °C	PU	Order No.
PT 09 	0.8		44		1	4PT09- 1
PT S7 	0.4		44	370	1	4PTS7-1
PT S8 	0.4		44	425	1	4PTS8-1
PT P7 	44	0.30	44	425	1	4PTP7-1

Adapter

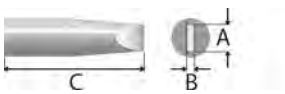
A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
PT5-LT 				1	T005 87 207 85N
PT6-LT 				1	T005 87 207 86N
PT7-LT 				1	T005 87 207 87

Model	A	B	C	PU	Order No.
PT8-LT 				1	T005 87 207 88N
PT9-LT 				1	T005 87 207 89N

RTP Soldering tips

Chisel shape



A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTP 002 S 		0.2	0.1	17	1	T005 01 039 99
RTP 002 S NW 		0.2	0.1	17	1	T005 01 040 99
RTP 004 S 		0.4	0.2	17	1	T005 01 041 99
RTP 008 S 		0.8	0.3	17	1	T005 01 042 99
RTP 010 S 		1	0.3	17	1	T005 01 043 99
RTP 013 S 		1.3	0.3	17	1	T005 01 044 99

Bevel Cut (Sloped)

A = Width mm
B = Thickness mm
C = Length mm

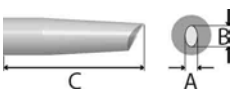
Model	Old name	A	B	C	PU	Order No.
RTP 004 B 		0.4		17	1	T005 01 037 99
RTP 012 B 		1.2		17	1	T005 01 038 99

Conical

A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTP 001 C 		0.1		18.5	1	T005 01 031 99
RTP 001 C NW 		0.1		18.5	1	T005 01 032 99
RTP 002 C MS 		0.2		16.3	1	T005 01 015 99
RTP 004 C 		0.4		17	1	T005 01 034 99
RTP 001 C X 		0.1		21.3	1	T005 01 035 99
RTP 002 C X 		0.2		21.3	1	T005 01 036 99

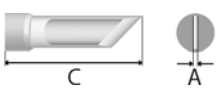
Solder depot



A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTP 020 G 		2		16.6	1	T005 01 048 99

Knife

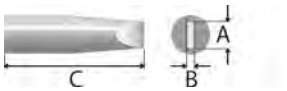


A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTP 010 K 		1	0.2	16.6	1	T005 01 045 99
RTP 010 K NW 		1	0.2	16.6	1	T005 01 046 99
RTP 025 K 		2.5	0.3	18	1	T005 01 047 99

RTP MS Soldering tips

Chisel shape



A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTP 002 S MS		0.2	0.1	16.3	1	T005 01 021 99
RTP 002 S NW MS		0.2	0.1	16.3	1	T005 01 022 99
RTP 004 S MS		0.4	0.2	16.3	1	T005 01 023 99
RTP 008 S MS		0.8	0.3	16.3	1	T005 01 024 99
RTP 010 S MS		1	0.3	16.3	1	T005 01 025 99
RTP 013 S MS		1.3	0.3	16.3	1	T005 01 026 99

Bevel Cut (Sloped)

A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTP 004 B MS		0.4		16.3	1	T005 01 019 99
RTP 012 B MS		1.2		16.3	1	T005 01 020 99

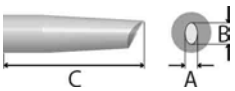
Conical

A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTP 001 C MS		0.1		17.9	1	T005 01 013 99
RTP 001 C NW MS		0.1		17.9	1	T005 01 014 99
RTP 002 C MS		0.2		16.3	1	T005 01 015 99

Model	Old name	A	B	C	PU	Order No.
RTP 004 C MS 		0.4		16.3	1	T005 01 016 99
RTP 001 C X MS 		0.1		20.6	1	T005 01 017 99
RTP 002 C X MS 		0.2		20.6	1	T005 01 018 99

Solder depot



A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTP 020 G MS 		2		15.9	1	T005 01 030 99

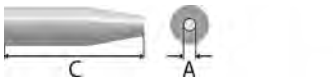
Knife

A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTP 010 K MS 		1	0.2	15.9	1	T005 01 027 99
RTP 010 K NW MS 		1	0.2	15.9	1	T005 01 028 99
RTP 025 K MS 		2.5	0.3	17.3	1	T005 01 029 99

RTM Soldering tips

Round



A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTM 003 S	RT 1SC03	0.3	0.15	20	1	T005 44 612 70N
RTM 003 S NW	RT 1SCNW	0.3	0.1	20	1	T005 44 626 99N
RTM 003 S	RT 1SC	0.4	0.2	20	1	T005 44 612 99N
RTM 008 S	RT 9	0.8	0.4	24	1	T005 44 609 99N
RTM 008 S X	RT 5 30°	0.8	0.4	24	1	T005 44 605 99N
RTM 010 S		1	0.3	18	1	T005 01 005 99
RTM 013 S	RT 3	1.3	0.4	20	1	T005 44 603 99N
RTM 013 S X	RT 3X 30°	1.3	0.5	28	1	T005 44 603 71N
RTM 015 S	RT 4	1.5	0.4	19	1	T005 44 604 99N
RTM 018 S		1.8	0.4	18	1	T005 01 007 99
RTM 022 S	RT 8	2.2	0.4	19	1	T005 44 608 99N
RTM 032 S		3.2	0.9	17.5	1	T005 01 009 99
RTM 036 S	RT 11	3.6	0.9	19	1	T005 44 611 99N

Bevel Cut (Sloped)

A = Width mm
B = Thickness mm
C = Length mm

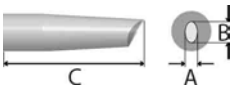
Model	Old name	A	B	C	PU	Order No.
RTM 004 B		0.4		18.5	1	T005 01 002 99
RTM 012 B	RT 6 45°	1.2		19	1	T005 44 606 99N

Conical

A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTM 001 C NW	RT 1NW	0.1		20	1	T005 44 625 99N
RTM 002 C 	RT 1	0.2		20	1	T005 44 601 99N
RTM 002 C L 		0.2		18.7	1	T005 01 000 99
RTM 008 C 	RT 2	0.8		19	1	T005 44 602 99N

Solder depot



A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTM 020 G 	RT 10GW	2.0	1.2	21	1	T0054461099N

Knife

A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTM 025 K 		2.5	0.3	19	1	T005 01 011 99
RTM 030 K 	RT 7 45°	0.9	2.2	20	1	T005 44 607 99N

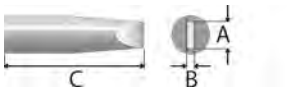
Measuring tip

A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTM Measuring tip 	RT Measuring Tip			26	1	T005 44 613 99N

RTM MS Soldering tips

Chisel shape



A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTM 003 S NW MS	RT 1SCNWMS	0.3	0.1	20	1	T005 44 626 71N
RTM 004 S MS	RT 1SCMS	0.4	0.15	20	1	T005 44 615 99N
RTM 006 S MS		0.6	0.4	23	1	T005 01 004 99
RTM 008 S MS	RT 9MS	0.8	0.4	24	1	T005 44 623 99N
RTM 008 S X MS	RT 5MS 30°	0.8	0.4	24	1	T005 44 619 99N
RTM 010 S MS		1	0.3	18	1	T005 01 006 99
RTM 013 S MS	RT 3MS	1.3	0.4	20	1	T005 44 616 99N
RTM 013 S X MS	RT 3XMS 30°	1.3	0.5	28	1	T005 44 603 73N
RTM 015 S MS	RT 4MS	1.5	0.4	19	1	T005 44 618 99N
RTM 018 S MS		1.8	0.4	18	1	T005 01 008 99
RTM 022 S MS	RT 8MS	2.2	0.4	19	1	T005 44 622 99N
RTM 032 S MS		3.2	0.9	17.5	1	T005 01 010 99
RTM 036 S MS	RT 11MS	3.6	0.9	19	1	T005 44 631 99N

Bevel Cut (Sloped)

A = Width mm
B = Thickness mm
C = Length mm

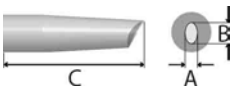
Model	Old name	A	B	C	PU	Order No.
RTM 004 B MS		0.4		18.5	1	T005 01 003 99
RTM 012 B MS	RT 6MS	1.2		19	1	T005 44 620 99N

Conical

A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTM 001 C NW MS	RT 1NWMS	0.1		20	1	T005 44 625 71N
RTM 002 C MS	RT 1MS	0.2		20	1	T005 44 614 99N
RTM 002 C L MS		0.2		18.7	1	T005 01 001 99
RTM 004 C X MS	RT 13MS 30°	0.4		26.5	1	T005 44 633 99N
RTM 005 C X MS	RT 12MS 25°	0.5		25.5	1	T005 44 632 99N
RTM 008 C MS	RT 2MS	0.8		19	1	T005 44 617 99N

Solder depot



A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTM 020 G MS	RT 10GWMS	2.0	1.2	21	1	T005 44 624 99N

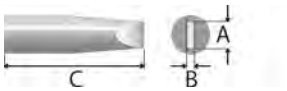
Knife

A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTM 025 K MS		2.5	0.3	19	1	T005 01 012 99
RTM 030 K MS	RT 7MS 45°	0.9	2.2	20	1	T005 44 621 99N

RTU MS Soldering tips

Chisel shape



A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTU 015 S MS		1.5	0.4	28	1	T005 01 058 99
RTU 022 S MS		2.2	0.6	28	1	T005 01 059 99
RTU 032 S MS		3.2	0.8	27.5	1	T005 01 060 99
RTU 032 S L MS		3.2	0.8	34	1	T005 01 061 99
RTU 050 S MS		5	1.2	27.5	1	T005 01 062 99
RTU 076 S MS		7.6	1.5	28	1	T005 01 063 99
RTU 093 S MS		9.3	2	28	1	T005 01 064 99

Bevel Cut (Sloped)

A = Width mm
B = Thickness mm
C = Length mm

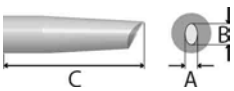
Model	Old name	A	B	C	PU	Order No.
RTU 020 B MS		2		29	1	T005 01 055 99
RTU 035 B MS		3.5		29	1	T005 01 056 99
RTU 050 B MS		5		30	1	T005 01 057 99

Conical

A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTU 004 C MS		0.4		27.5	1	T005 01 049 99
RTU 008 C MS		0.8		29	1	T005 01 050 99
RTU 016 C MS		1.6		27.5	1	T005 01 051 99
RTU 004 C X MS		0.4		39.2	1	T005 01 052 99
RTU 008 C X MS		0.8		39.2	1	T005 01 053 99
RTU 016 C X MS		1.6		39.3	1	T005 01 054 99

Solder depot



A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTU 020 G MS		2	1.3	28	1	T005 01 065 99

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	Old name	A	B	C	PU	Order No.
RTU 100 K MS		10	1.5	27	1	T005 01 066 99
RTU 160 K MS		16	1.5	27	1	T005 01 067 99
RTU 200 K MS		20	1.5	27	1	T005 01 068 99
RTU 330 K MS		33	1.5	27	1	T005 01 069 99

RTW Soldering tips

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
RTW 0,7x0,4mm, 45° 	0.7	0.4	25	1	T005 44 661 99N
RTW 2 45° 	0.7	0.4	22	1	T005 44 652 99N
RTW 3 45° 	1.0	3	18	1	T005 44 653 99N
RTW 4 45° 	1.0	6	20	1	T005 44 654 99N
RTW 7NW 	1.0	3	18	1	T005 44 663 99N

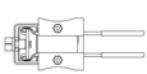
Model	A	B	C	PU	Order No.
RTW 8 	1.3	0.4	19	1	T005 44 664 99N
RTW 9 	1.0	3.2	19	1	T005 44 666 99N
RTW 10 	1.0	10	19	1	T005 44 668 99N
RTW 11 	1.0	6	19	1	T005 44 667 99N

Conical

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
RTW 1 45° 	0.4		22	1	T005 44 651 99N

Model	A	B	C	PU	Order No.
RTW 6NW 45° 	0.1		22	1	T005 44 656 99N

Model	A	B	C	PU	Order No.
RTW MEASURING TIP 					T005 44 662 99

RTW MS Soldering tips

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
RTW 10MS	1.0	10	18	1	T005 44 671 99N
RTW 11MS	1.0	6	18	1	T005 44 670 99N
RTW 2MS 45°	0.7	0.4	22	1	T005 44 657 99N
RTW 3MS 45°	1.0	3	17	1	T005 44 658 99N
RTW 4MS 45°	1.0	6	19	1	T005 44 659 99N
RTW 7NWMS	0.8	0.4	24	1	T005 44 663 71N
RTW 8MS	1.3	0.4	20	1	T005 44 665 99N
RTW 9MS	1.0	3.2	18	1	T005 44 669 99N

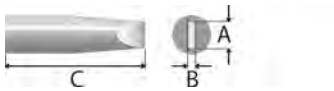
Conical

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
RTW 1MS 45°	0.4		22	1	T005 44 655 99N
RTW 6NWMS 45°	0.1		22	1	T005 44 656 71N

SPI 16 Soldering tips

Chisel shape

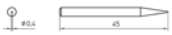


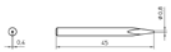
A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
SPI15 211 	2.0	0.6	50	1	4SPI152 11 -1

Needle shape

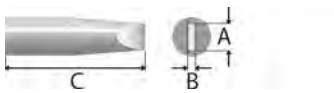
A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
SPI15 210 	0.4	-	45	1	4SPI152 10 -1

Model	A	B	C	PU	Order No.
SPI15 213 	0.8	0.4	50	1	4SPI152 13 -1

SPI 27 Soldering tips

Chisel shape



A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
SPI26 200 	2.0	0.4	50	1	4SPI262 00 -1
SPI26 201 	3.0	0.4	50	1	4SPI262 01 -1

Model	A	B	C	PU	Order No.
SPI26 206 	1.2	0.4	50	1	4SPI262 06 -1

SPI 41 Soldering tips

Chisel shape

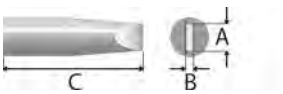
A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
SPI40 220	5.0			1	4SPI402 20 -1
SPI40 224	2.0			1	4SPI402 24 -1

Model	A	B	C	PU	Order No.
SPI40 225	3.0			1	4SPI402 25 -1
SPI41 221	5.0			1	4SPI402 21 -1

SPI 81 Soldering tips

Chisel shape



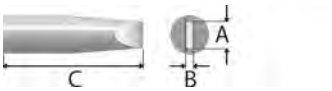
A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
SPI80 23	9.5			1	4SPI802 3- 1
SPI80 234	3.0			1	4SPI802 34 -1
SPI80 235	5.0			1	4SPI802 35 -1

Model	A	B	C	PU	Order No.
SPI80 237	5.0			1	4SPI802 37 -1

WTA Soldering tips

Chisel shape



A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
WTA 1 	1.0	0.5		1	T005 44 141 99
WTA 11 	1.0	0.5		1	T005 44 152 99
WTA 12 	3.0	0.5		1	T005 44 153 99
WTA 1S 	0.5	0.5		1	T005 44 145 99

Model	A	B	C	PU	Order No.
WTA 2 	3.0	0.5		1	T005 44 146 99
WTA 3 	6.0	0.5		1	T005 44 147 99
WTA 4 	12.5	0.5		1	T005 44 143 99
WTA 5 	18.5	0.5		1	T005 44 144 99

XH Soldering tips

Chisel

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XH A 	1.6	0.8	27	1	T005 44 908 99
XH B	2.4	0.8	27	1	T005 44 909 99
XH C 	3.2	0.8	27	1	T005 44 910 99

Model	A	B	C	PU	Order No.
XH D 	4	0.8	27	1	T005 44 911 99
XH HX	0.8	0.4	35	1	T005 44 912 99
XH Spring Barrel 				1	T005 87 687 79

XHT Soldering tips

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XHT C 	3.2	1.2	48.0	1	T005 44 804 99
XHT D	5.0	1.2	48.0	1	T005 44 801 99

Model	A	B	C	PU	Order No.
XHT E 	7.6	1.5	48.0	1	T005 44 802 99
XHT F 	9.3	2.0	48.0	1	T005 44 805 99

Measuring tip

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
Measuring tip 	0.5		55.0	1	T005 44 803 99

XNT Soldering tips

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XNT 1SC	0.4	0.15	27	1	T005 44 862 99
XNT 1SCNW	0.3	0.1	27	1	T005 44 881 99
XNT 4X 45°	1.2	0.4	34.6	1	T005 44 874 99
XNT 6	1.6	0.4	29.5	1	T005 44 856 99
XNT A	1.6	0.4	28	1	T005 44 851 99
XNT AX	1.6	0.8	28	1	T005 44 864 99
XNT B	2.4	0.8	27	1	T005 44 857 99
XNT BX	2.4	0.8	36.5	1	T005 44 882 99

Model	A	B	C	PU	Order No.
XNT C	3.2	0.8	27	1	T005 44 858 99
XNT D	4	0.8	28	1	T005 44 853 99
XNT H	0.8	0.4	28	1	T005 44 859 99
XNT HX 30°	0.8	0.4	36.5	1	T005 44 873 99
XNT K	1.2	0.4	28	1	T005 44 860 99
XNT MX	3.2	0.8	37.5	1	T005 44 883 99
XNT L	3.2	0.8	37.5	1	T005 44 866 99
XNT M	3.2	0.8	37.5	1	T005 44 867 99

Round

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XNT 1LX	0.2		42.8	1	T005 44 872 99
XNT 1S	0.2		28.5	1	T005 44 852 99
XNT 1SLX 45°	0.4		39.5	1	T005 44 875 99

Model	A	B	C	PU	Order No.
XNT 1X	0.4		28	1	T005 44 865 99
XNT 1HS	0.5		27.2	1	T005 44 888 99
XNT CS	3.2	0.8	37.5	1	T005 44 870 99

Bevel Cut (Sloped)

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XNT 4	1.2		29.5	1	T005 44 855 99
XNT AA 45°	1.6		28	1	T005 44 884 99
XNT BB 45°	2.4		28	1	T005 44 885 99

Model	A	B	C	PU	Order No.
XNT CC 45°	3.2		28	1	T005 44 886 99
XNT F 45°	1.2		28	1	T005 44 887 99

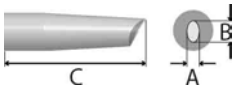
Conical

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XNT 1	0.5	-	27	1	T005 44 850 99
XNT S	0.4	-	37.5	1	T005 44 868 99

Model	A	B	C	PU	Order No.
XNT 1L	0.2		43	1	T005 44 871 99

Solder depot



A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XNT GW1	1.6	2.4	33	1	T005 44 854 99

Model	A	B	C	PU	Order No.
XNT GW2 short	1.0	1.1	27.5	1	T005 44 880 99

Knife

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XNT KN	2.0	4	33	1	T005 44 863 99

SMT

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XNT SMT 01 	10.4	0.6	7.1	1	T005 44 876 99N
XNT SMT 02 	16.8	0.6	7.1	1	T005 44 877 99N
XNT SMT 03 	20.8	0.6	7.1	1	T005 44 878 99N

Measuring tip

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XNT Measuring tip 			31.3	1	T005 44 861 99N

External thread

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XNT External thread M4 	M4		26	1	T005 44 879 99

XT Soldering tips

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XT A	1.6	0.7	37	1	T005 44 703 99
XT AL	1.6	1.0	40	1	T005 44 701 99
XT ASL	1.6	0.45	37	1	T005 44 740 99
XT AX 30°	1.6	0.7		1	T005 44 743 99
XT B	2.4	0.8	36	1	T005 44 704 99
XT BSC	2.5	0.8	36.3	1	T005 44 738 99
XT BSL	2.4	0.45	36	1	T005 44 741 99
XT BX 30°	2.4	0.8		1	T005 44 744 99
XT C	3.2	0.8	36	1	T005 44 705 99
XT CSL	3.2	0.45	36	1	T005 44 742 99
XT D	4.6	0.8	35	1	T005 44 706 99
XT DL	4.6	0.8	40	1	T005 44 736 99
XT D 45°			37	1	T005 44 721 99
XT E	5.9	1.2	35	1	T005 44 707 99
XT H	0.8	0.4	37	1	T005 44 713 99
XT HX	0.8	0.4		1	T005 44 737 99
XT M	3.2	1.2	40	1	T005 44 702 99
XT MX	3.2	0.8		1	T005 44 745 99

Round

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XT BS 	2.4		37	1	T005 44 715 99
XT CS 	3.2		37	1	T005 44 716 99

Model	A	B	C	PU	Order No.
XT DS 	5.0		35	1	T005 44 717 99

Bevel Cut (Sloped)

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XT AA 60° 	1.6		37	1	T005 44 708 99
XT BB 45° 	2.4		37	1	T005 44 709 99
XT CC 45° 	3.2		37	1	T005 44 710 99

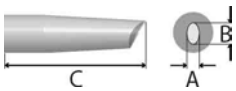
Model	A	B	C	PU	Order No.
XT DDH45 	4		40.5	1	T005 44 730 99
XT F 30° 	1.2		37	1	T005 44 718 99

Conical

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XT 0	1.0		37	1	T005 44 714 99

Solder depot



A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XT GW1			37	1	T005 44 712 99

Model	A	B	C	PU	Order No.
XT GW2			37	1	T005 44 735 99

Knife

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XT KN	2.0		45	1	T005 44 711 99

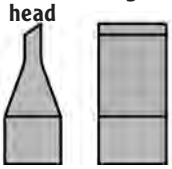
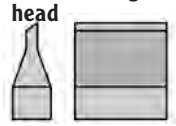
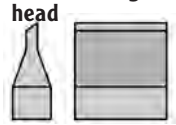
Measuring tip

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
Measuring tip			40	1	T005 44 722 99

Bevel Cut (Sloped)

A = Width mm
B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XT Solder head with adapter 	4		10	1	T005 44 731 99N
XT Soldering head 	4		10	1	T005 44 731 90N
XT Solder head with adapter 	4		20	1	T005 44 732 99N
XT Soldering head 	4		20	1	T005 44 732 90N
XT Solder head with adapter 	4		33	1	T005 44 733 99N
XT Soldering head 	4		33	1	T005 44 733 90N
XT Solder head adapter 			40	1	T005 44 734 99

External thread

A = Width mm

B = Thickness mm
C = Length mm

Model	A	B	C	PU	Order No.
XT External thread, refined 	M4		36	1	T005 44 719 99
XT External thread, refined 	M5		36	1	T005 44 720 99

XTR Soldering tips

Chisel shape

A = Width mm
B = Thickness mm
C = Length mm

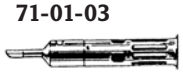
Model	A	B	C	PU	Order No.
XTR A	1.6	0.7	36.5	1	T005 44 723 99
XTR B	2.4	0.8	36	1	T005 44 724 99
XTR C	3.2	0.8	36	1	T005 44 725 99
XTR D	4.6	0.8	34.5	1	T005 44 726 99
XTR E	5.9	1.2	34.5	1	T005 44 727 99
XTR M	3.2	1.2	39.5	1	T005 44 728 99

Model	A	B	C	PU	Order No.
XTR AAT 45°	1.8	0.2	34.3	1	T005 44 747 99
XTR AL	1.6	1.0	39.5	1	T005 44 746 99
XTR CCT 45°	4	0.6	35.5	1	T005 44 749 99
XTR BBT 45°	3	0.2	35.5	1	T005 44 748 99
XTR DDT 45°	5	0.6	36.2	1	T005 44 750 99

Soldering Tips for WP 60

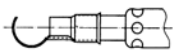
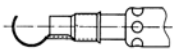
Model	Description	Width in mm	Diameter	PU	Order No.
60-01-05 	Needle shape	-	0,5 mm	1	T005 16 134 99
60-01-01 	Needle shape	-	1.0 mm	1	T005 16 443 99
60-01-02 	Chisel shape	2.4	-	1	T005 16 444 99
60-01-04 	Chisel shape	5.0	-	1	T005 16 446 99
60-01-52 	Hot air nozzle	-	4,7 mm	1	T005 16 447 99
60-07U 	Ejector Unit	-	-	1	T005 16 448 99
60-02 	Protective Cap	-	-	1	T005 16 450 99
60-01-03 	Round	-	2.0	1	T005 16 445 99

Soldering Tips for Pyropen Jr.

Model	Description	Width in mm	Diameter	PU	Order No.
71-01-01 	Needle shape	1.0		1	T005 16 165 99
71-01-02 	Chisel shape	2.0		1	T005 16 166 99
71-01-04 	Chisel shape	5.0		1	T005 16 161 99
71-01-03 	Round	2.0		1	T005 16 167 99
71-01-50	Hot air nozzle	1.5		1	T005 16 168 99
71-01-52	Hot air nozzle	4.7		1	T005 16 169 99

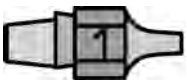
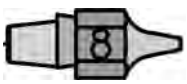
Soldering Tips for Pyropen and Pyropen Piezo

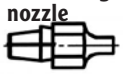
Model	Description	Width in mm	Diameter	PU	Order No.
70-01-01 	Needle shape	1.0		1	T005 16 120 99
70-01-05 	Needle shape, extra slim	0.5		1	T005 16 124 99
70-01-10 	Needle shape, bent 30°	1.0		1	T005 16 129 99
70-01-02 	Chisel shape	3.0		1	T005 16 121 99
70-01-13 	Chisel shape	5.0		1	T005 16 132 99
70-01-11 	Chisel shape	7.0		1	T005 16 130 99
70-01-03 	Round	2.0		1	T005 16 122 99
70-01-04 	Round	3.0		1	T005 16 123 99
70-01-06 	Round	2.0		1	T005 16 125 99
70-01-08 	Round	2.0		1	T005 16 127 99
70-01-50 	Hot air nozzle	1.7		1	T005 16 140 99
70-01-51 	Hot air nozzle	3.3		1	T005 16 141 99
70-01-52 	Hot air nozzle	-	4.9	1	T005 16 142 99
70-01-53 	Hot air nozzle	-	7.0	1	T005 16 143 99

Model	Description	Width in mm	Diameter	PU	Order No.
70-07TU 	Flame nozzle	-	-	1	T005 16 151 99
70-07SU 	Soldering nozzle	-	-	1	T005 16 150 99
70-01-55 	Reflector attachment for heat shrinking work	18.0	6.0	1	T005 16 159 99
70-01-54 	Reflector attachment for heat shrinking work	22.0	8.0	1	T005 16 158 99
70-03-14 	PP-Barrel and nut	-	-	1	T005 16 153 99

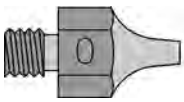
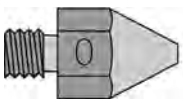
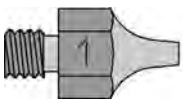
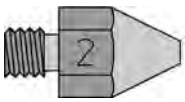
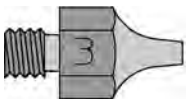
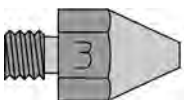
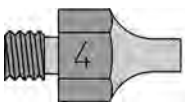
Desoldering Nozzle series

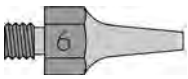
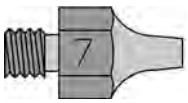
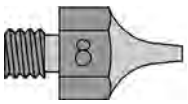
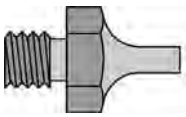
DX Desoldering nozzles with threadless fixture system for DSX 80 and DXV 80

Model	Description	Outer-Ø	Inner-Ø	Nozzle length	PU	Order No.
DX 110 	Suction nozzle	1.9	0.7	25	1	T005 13 140 99
DX 111 	Suction nozzle	2.5	0.7	25	1	T005 13 141 99
DX 112 	Suction nozzle	2.3	1.0	25	1	T005 13 142 99
DX 113 	Suction nozzle	2.5	1.2	25	1	T005 13 143 99
DX 114 	Suction nozzle	3.3	1.8	25	1	T005 13 144 99
DX 115 	Suction nozzle	1.9	0.7	29	1	T005 13 145 99
DX 116 	Suction nozzle	2.7	1.2	29	1	T005 13 146 99
DX 117 	Suction nozzle	2.9	1.5	25	1	T005 13 147 99
DX 118 	Suction nozzle	1.5	0.7	23	1	T005 13 148 99
DX 119 	Suction nozzle	1.1	0.7	33	1	T005 13 151 99
DX 120 	Suction nozzle	2.5	1.1	22	1	T005 13 152 99N

Model	Description	Outer-Ø	Inner-Ø	Nozzle length	PU	Order No.
Measuring nozzle 	Measuring nozzle	3.3	0.55	21.5	1	T005 13 153 99
Conus cleaner 	Conus cleaner for DSX 80 / DXV 80		-	-	1	T005 87 067 94N
DX Desoldering nozzles set	Desoldering Nozzle Set DX110 - DX115 for DSX 80 and DXV 80	-	-	-	1	T005 13 790 99N

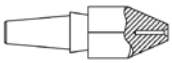
DS Desoldering nozzles with thread for DS 22, DS 80 and DSV 80

Model	Description	Outer-Ø	Inner-Ø	Nozzle length	PU	Order No.
DS 110 	Desoldering nozzle	1.9	0.7	18	1	T005 13 510 99
DS 110HM 	Desoldering nozzle	1.9	0.7	18	1	T005 13 532 99N
DS 111 	Desoldering nozzle	2.5	0.7	18	1	T005 13 511 99
DS 112 	Desoldering nozzle	2.3	1.0	18	1	T005 13 512 99
DS 112HM 	Desoldering nozzle	1.9	0.9	18	1	T005 13 533 99
DS 113 	Desoldering nozzle	2.5	1.2	18	1	T005 13 513 99
DS 113HM 	Desoldering nozzle	2.5	1.2	18	1	T005 13 530 99
DS 114 	Desoldering nozzle	3.3	1.8	18	1	T005 13 514 99

Model	Description	Outer-Ø	Inner-Ø	Nozzle length	PU	Order No.
DS 115 	Desoldering nozzle	1.9	0.7	24.5	1	T005 13 515 99
DS 116 	Desoldering nozzle	2.7	1.2	24.5	1	T005 13 516 99
DS 117 	Desoldering nozzle	2.9	1.5	18	1	T005 13 550 99
DS 118 	Desoldering nozzle	1.5	0.7	18	1	T005 13 551 99
DS 119 	Needle tiplet	1.9	0.7	26	1	T005 13 527 99N
DS 120 	Nozzle without inside tube	2.5	1.1	15.5	1	T005 13 552 99N

XDS Desoldering nozzles for DSX 120, WXDP 120, WXDV 120

Model	Description	Outer-Ø	Inner-Ø	Nozzle length	PU	Order No.
XDS 1 	Desoldering nozzle	2.5	1.4	10.5	1	T005 13 250 99
XDS 2 	Desoldering nozzle	5.3	3.0	10.5	1	T005 13 251 99
XDS 3 	Desoldering nozzle	2.3	1.0	10.5	1	T005 13 252 99
XDS 4 	Desoldering nozzle	2.5	1.2	10.5	1	T005 13 253 99
XDS 5 	Desoldering nozzle	3.3	1.8	10.5	1	T005 13 254 99
XDS 6 	Desoldering nozzle	1.9	0.7	16.5	1	T005 13 255 99
XDS 7 	Desoldering nozzle	2.7	1.2	16.5	1	T005 13 256 99
XDS 8 	Desoldering nozzle	2.9	1.5	10.5	1	T005 13 257 99

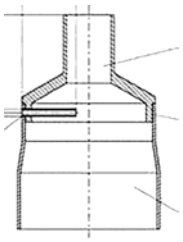
Model	Description	Outer-Ø	Inner-Ø	Nozzle length	PU	Order No.
XDS 9 	Measuring tip	1.5	0.55	10.5	1	T005 13 258 99
XDSL 1 	Desoldering nozzle	2.5	1.4	10.5	1	T005 13 259 99
XDSL 2 	Desoldering nozzle	5.3	3.0	10.5	1	T005 13 260 99
XDSL 3 	Desoldering nozzle	2.3	1.0	10.5	1	T005 13 261 99
XDSL 4 	Desoldering nozzle	2.5	1.2	10.5	1	T005 13 262 99
XDSL 5 	Desoldering nozzle	3.3	1.8	10.5	1	T005 13 263 99
XDSL 6 	Desoldering nozzle	1.9	0.7	16.5	1	T005 13 264 99
XDSL 7 	Desoldering nozzle	2.7	1.2	16.5	1	T005 13 265 99
XDSL 8 	Desoldering nozzle	2.9	1.5	10.5	1	T005 13 266 99

Model	Order No.
Maintenance set for WXDP/DSX 120 	T005 87 657 73N
Conus cleaner for WXDP/WXDV 120 & DSX 120 	T005 87 657 72

Hot air nozzles

Model	Description	Width mm	Thickness mm	PU	Order No.
TNR 25 	Round nozzle, without vacuum			1	T005 87 687 42N
TNR 40 	Round nozzle, bent, without vacuum			1	T005 87 687 43N
TNR 70 	Round nozzle, bent, without vacuum			1	T005 87 687 44N

Model	Description	Width mm	Thickness mm	PU	Order No.
TNRB 17 	Round nozzle, bent, without vacuum			1	T005 87 687 45N
TNRB 60 	Round nozzle, bent, without vacuum			1	T005 87 687 46N

	Order No.	Description
	T0058768755N	TNM Measuring nozzle WTHA1

	Order No.	Description
	T0058768747N	Adapter for nozzles from WHA 900 to be used with WTHA 1

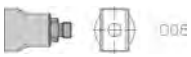
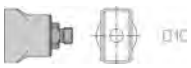
Hot air nozzles for HAP 1, HAP 200 and WXHAP 200

Flat nozzle

Model	Description	Width mm	Thickness mm	PU	Order No.
F02 	Flat nozzle	8	1.5	1	T005 87 277 74N
F04 	Flat nozzle	10.5	1.5	1	T005 87 277 73N
F06 	Flat nozzle	12.0	1.5	1	T005 87 277 72N

Model	Description	Diameter	Distance mm	Length mm	PU	Order no.
R02 	Round nozzle	0,8 mm		17	1	T005 87 278 23
R04 	Round nozzle	1,2 mm		17	1	T005 87 278 21
R06 	Round nozzle	3,0 mm		17	1	T005 87 278 22
R10 	Round Nozzle Long	2,0 mm		50	1	T005 87 277 87N
R08 	Round nozzle long bent	2,0 mm		50	1	T005 87 277 86N
FD2 	Dual nozzle	1,5 mm	8 mm		1	T005 87 277 76
FD4 	Dual nozzle	1,5 mm	10 mm		1	T005 87 277 75

2 sides heated (Type D, Length X =heated side)

Model	Description	Length mm	Width mm	PU	Order No.
D04 	Hot Air Nozzle, Two Sides Heated, with pre-heating plate	10.5	10.5	1	T005 87 277 79N
D06 	Hot Air Nozzle, Two Sides Heated, with pre-heating plate	13.0	10.0	1	T005 87 277 82N
D08 	Hot Air Nozzle, Two Sides Heated, with pre-heating plate	15	10.0	1	T005 87 277 81N
D10 	Hot Air Nozzle, Two Sides Heated, with pre-heating plate	18	10.0	1	T005 87 277 84N

4 sides heated (Type Q)

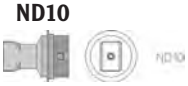
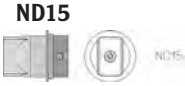
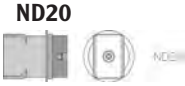
Model	Description	Length mm	Width mm	PU	Order No.
Q02 	Hot air nozzle, 4 sides heated	6.0	6.5	1	T005 87 277 77N
Q04 	Hot air nozzle, 4 sides heated	6.0	9.0	1	T005 87 277 78N
Q06 	Hot air nozzle, 4 sides heated, with pre-heating plate	15	10.0	1	T005 87 277 80N
Q08 	Hot air nozzle, 4 sides heated, with pre-heating plate	12.5	15	1	T005 87 277 83N
Q10 	Hot air nozzle, 4 sides heated, with pre-heating plate	18	18.0	1	T005 87 277 85N
R01 	Measuring nozzle			1	T005 87 278 08N

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

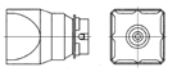
Round nozzle

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

2 sides heated (type ND, Width X = heated side)

Model	Description	Length mm	Width mm	PU	Order No.
ND05 	Hot air nozzle, 2 sides heated	10.7	10.7	1	T005 87 368 43N
ND10 	Hot air nozzle, 2 sides heated	14	10.0	1	T005 87 368 42N
ND15 	Hot air nozzle, 2 sides heated	19	12.0	1	T005 87 368 41N
ND20 	Hot air nozzle, 2 sides heated	21.5	14.8	1	T005 87 368 40N

Four sides heated (Type NQ)

Model	Description	Length mm	Width mm	PU	Order No.
NQ05 	Hot air nozzle, four sides heated	10.7	10.7	1	T005 87 368 39N
NQ15 	Hot air nozzle, four sides heated	14.5	10.0	1	T005 87 368 38N
NQ10 	Hot air nozzle, four sides heated	14.8	14.8	1	T005 87 368 18N
NQ20 	Hot air nozzle, four sides heated	15.5	13.0	1	T005 87 368 37N
NQ25 	Hot air nozzle, four sides heated	18	18.0	1	T005 87 368 14N
NQ30 	Hot air nozzle, four sides heated	17.5	23.5	1	T005 87 507 21N
NQ35 	Hot air nozzle, four sides heated	20.5	20.5	1	T005 87 368 07N
NQ 	Hot air nozzle, four sides heated	24	12.0	1	T005 87 368 80N
NQ40 	Hot air nozzle, four sides heated	26	26.0	1	T005 87 368 04N
NQ45 	Hot air nozzle, four sides heated	31.3	31.3	1	T005 87 368 33N
NQ50 	Hot air nozzle, four sides heated	36	36.0	1	T005 87 368 91N
NQ55 	Hot air nozzle, four sides heated	43.0	43.0	1	T005 87 368 90N
NQT10 	Hot air nozzle, 4 sides heated, without protruding edge	14.8	14.8	1	T005 87 507 41N
NQT25 	Hot air nozzle, 4 sides heated, without protruding edge	18	18.0	1	T005 87 507 42N
NQT 	Hot air nozzle, 4 sides heated, without protruding edge	22	22.0	1	T005 87 507 39N
NA 20 	Measuring nozzle			1	T005 87 368 75N

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 99N	Depositing rack for NR, ND, NQ Hot Air Nozzles for WHA 3000V and WHA 3000P (max. 6 nozzles)

Vacuum insert for CSF heads (spare)

Order No.	Description
T005 87 137 99	Vacuum insert Ø 4,5 mm
T005 87 137 98	Vacuum insert Ø 10 mm

Hot air nozzles for WQB

Model	inside	outside	PU	Order No.
Hot air nozzle 6,5 x 6,5 mm	6,5 x 6,5 mm	7,5 x 7,5 mm	1	T005 87 479 43
Hot air nozzle 7,6 x 7,99 mm	7,6 x 7,99 mm	8,6 x 8,9 mm	1	T005 87 479 47
Hot air nozzle 8,5 x 8,5 mm	8,5 x 8,5 mm	9,5 x 9,5 mm	1	T005 87 479 45
Hot air nozzle 8,5 x 10,6 mm	8,5 x 10,6 mm	9,5 x 11,6 mm	1	T005 87 479 61
Hot air nozzle 8,5 x 22 mm	8,5 x 22 mm	9,5 x 23 mm	1	T005 87 558 64N
Hot air nozzle 9,0 x 8,0 mm	9,0 x 8,0 mm	10,0 x 9,0	1	T005 87 667 04
Hot air nozzle 10,0 x 10,0 mm	10,0 x 10,0 mm	11,0 x 11,0 mm	1	T005 87 549 67
Hot air nozzle 10,5 x 12,0 mm	10.5 x 12,0 mm	11,5 x 13,0	1	T005 87 667 37
Hot air nozzle 11,0 x 8,0 mm	11,0 x 8,0 mm	12,0 x 9,0	1	T005 87 667 10
Hot air nozzle 11,5 x 9,5 mm	11,5 x 9,5 mm	12,5 x 10,5	1	T005 87 667 16
Hot air nozzle 12,0 x 12,0 mm	12,0 x 12,0 mm	13,0 x 13,0 mm	1	T005 87 478 48
Hot air nozzle 12,5 x 12,5 mm	12,5 x 12,5 mm	13,5 x 13,5	1	T005 87 547 87
Hot air nozzle 13,5 x 11,5 mm	13,5 x 11,5 mm	14,5 x 12,5	1	T005 87 667 18
Hot air nozzle 13,5 x 13,5 mm	13,5 x 13,5 mm	14,3 x 14,3 mm	1	T005 87 479 04
Hot air nozzle 14,0 x 6,0 mm	14,0 x 6,0 mm	15,0 x 7,0	1	T005 87 667 14
Hot air nozzle 15,0 x 11,0 mm	15,0 x 11,0 mm	16,0 x 12,0 mm	1	T005 87 478 93
Hot air nozzle 15,5 x 15,5 mm	15,5 x 15,5 mm	16,5 x 16,5 mm	1	T005 87 479 35
Hot air nozzle 15,5 x 23,5 mm	15,5 x 23,5 mm	16,5 x 24,5 mm	1	T005 87 479 77
Hot air nozzle 17,0 x 17,0 mm	17,0 x 17,0 mm	18,0 x 18,0	1	T005 87 558 62
Hot air nozzle 17,0 x 25,0 mm	17,0 x 25,0 mm	18,0 x 26,0	1	T005 87 557 54
Hot air nozzle 18,0 x 13,0 mm	18,0 x 13,0 mm	19,0 x 14,0	1	T005 87 557 94
Hot air nozzle 18,0 x 18,0 mm	18,0 x 18,0 mm	20,0 x 20,0 mm	1	T005 87 478 33
Hot air nozzle 18,5 x 10,0 mm	18,5 x 10,0 mm	19,5 x 11,0 mm	1	T005 87 548 36
Hot air nozzle 19 x 19 mm	19,0 x 19,0	21,0 x 21,0	1	T005 87 559 95
Hot air nozzle 21,0 x 21,0 mm	21,0 x 21,0 mm	23,0 x 23,0 mm	1	T005 87 547 70

Model	inside	outside	PU	Order No.
Hot air nozzle 22,0 x 22,0 mm	22,0 x 22,0 mm	24,0 x 24,0 mm	1	T005 87 548 20
Hot air nozzle 22,5 x 17,0 mm	22,5 x 17,0 mm	23,5 x 18,0 mm	1	T005 87 667 06
Hot air nozzle 23,0 x 23,0 mm	23,0 x 23,0 mm	24,0 x 24,0 mm	1	T005 87 667 08
Hot air nozzle 25,0 x 19,0 mm	25,0 x 19,0 mm	26,0 x 20,0 mm	1	T005 87 667 02
Hot air nozzle 25, 0 x 25, 0 mm	25,0 x 25,0 mm	27,0 x 27,0 mm	1	T005 87 477 64
Hot air nozzle 27,0 x 23,0 mm	27,0 x 23,0 mm	29,0 x 25,0 mm	1	T005 87 479 93
Hot air nozzle 27,0 x 27,0 mm	27,0 x 27,0 mm	29,0 x 29,0 mm	1	T005 87 478 50
Hot air nozzle 28, 0 x 32, 0 mm	28,0 x 32,0 mm	30,0 x 34,0 mm	1	T005 87 479 99
Hot air nozzle 29,0 x 21,0 mm	29,0 x 21,0 mm	31,0 x 23,0 mm	1	T005 87 557 92
Hot air nozzle 29,0 x 29,0 mm	29,0 x 29,0 mm	31,0 x 31,0 mm	1	T005 87 479 27
Hot air nozzle 32 x 39 mm	32,0 x 39,0 mm	34,0 x 41,0 mm	1	T005 87 667 65
Hot air nozzle 33, 0 x 33, 0 mm	33,0 x 33,0 mm	35,0 x 35,0 mm	1	T005 87 479 06
Hot air nozzle 35,0 x 35,0 mm	35,0 x 35,0 mm	37,0 x 37,0 mm	1	T005 87 548 87
Hot air nozzle 37,0 x 37,0 mm	37,0 x 37,0 mm	39,0 x 39,0 mm	1	T005 87 477 53
Hot air nozzle 45° 37,0 x 37,0 mm	37,0 x 37,0 mm	39,0 x 39,0 mm	1	T005 87 549 68N
Hot air nozzle 39,5 x 39,5 mm	39,5 x 39,5 mm	41,5 x 41,5 mm	1	T005 87 478 71
Hot air nozzle 42,0 x 8,0 mm	42,0 x 8,0 mm	50,0 x 10,0 mm	1	T005 87 557 80
Hot air nozzle 42,0 x 36,0 mm	42,0 x 36,0 mm	44,0 x 38,0 mm	1	T005 87 557 90
Hot air nozzle 42,0 x 42,0 mm	42,0 x 42,0 mm	44,0 x 44,0 mm	1	T005 87 478 74
Hot air nozzle 43,5 x 33,5 mm	43,5 x 33,5 mm	45,5 x 35,5 mm	1	T005 87 557 88
Hot air nozzle 45,0 x 11,0 mm	45,0 x 11,0 mm	47,0 x 13,0 mm	1	T005 87 549 03
Hot air nozzle 45,0 x 26,0 mm	45,0 x 26,0 mm	47,0 x 28,0 mm	1	T005 87 549 05
Hot air nozzle 46,0 x 46,0 mm	46,0 x 46,0 mm	48,0 x 48,0 mm	1	T005 87 477 63
Hot air nozzle 47, 0 x 47, 0 mm	47,0 x 47,0 mm	49,0 x 49,0 mm	1	T005 87 479 16
Hot air nozzle 49,0 x 49,0 mm	49,0 x 49,0 mm	51,0 x 51,0 mm	1	T005 87 479 41
Hot air nozzle 52,0 x 8,0 mm	52,0 x 8,0 mm	60,0 x 10,0	1	T005 87 667 12

Model	inside	outside	PU	Order No.
Hot air nozzle 52,0 x 52,0 mm	52,0 x 52,0 mm	54,0 x 54,0	1	T005 87 557 79
Hot air nozzle 55, 5 x 27,0 mm	55,5 x 27 mm	57,5 x 29 mm	1	T005 87 667 62N
Hot air nozzle 57,0 x 18,5 mm	57,0 x 18,5 mm	59,0 x 20,0 mm	1	T005 87 479 85
Hot air nozzle 60 x 60 mm	60,0 x 60,0 mm	62,0 x 62,0	1	T005 87 557 84N
Hot air nozzle 70,0 x 40,0 mm	70,0 x 40,0 mm	72,0 x 42,0	1	T005 87 667 35N
Hot air nozzle 70 x 60 mm	70,0 x 60,0 mm	72,0 x 62,0	1	T005 87 557 50N
Hot air nozzle 80,0 x 18,5 mm	80,0 x 18,5 mm	82,0 x 20,5	1	T005 87 667 20
Hot air nozzle 80,0 x 20,0 mm	80,0 x 20,0 mm	82,0 x 22,0	1	T005 87 557 61N
Reflow hot air nozzle 90,0 x 90,0 mm	90,0 x 90,0 mm	92,0 x 92,0	1	T005 87 558 96
Adapter for NQ nozzles WQB			1	T005 87 477 70

WRK Reflowset

WRK Reflowset

Reflow system for SMD components with external hot air - works with desoldering station WR 3M.

Order No. T005 15 155 99N

- Accessory for 200 W Hot air station
- Reflow system with vacuum pick-up
- For desoldering of SMD components 30 x 30 mm

Scope of supply

Order No.	Model	Description
T005 87 617 03	Tripod Pick-up	Tripod Pick-up
T005 87 617 08	Pick-up 4,5 mm	Vacuum Pick-up 4,5 mm
T005 87 617 09	Pick-up 10 mm	Vacuum Pick-up 10 mm
T005 87 617 10	Reflow housing	Reflow housing 33 x 33 mm
T005 87 617 11	Reflow housing	Reflow housing 27 x 27 mm
T005 87 617 12	Reflow housing	Reflow housing 24 x 24 mm
T005 87 617 13	Reflow housing	Reflow housing 20 x 20 mm
T005 87 617 14	Reflow housing	Reflow housing 18 x 18 mm
T005 87 617 15	Reflow housing	Reflow housing 15,5 x 15,5 mm
T005 87 617 16	Reflow housing	Reflow housing 12,5 x 12,5 mm
T005 87 617 17	Reflow housing	Reflow housing 10 x 10 mm
T005 87 617 25	Rack for nozzles	Depositing rack for nozzles

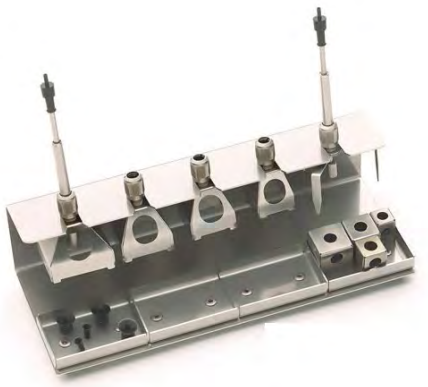
Accessories

Order No.	Model	Description
T005 15 154 99N	Rack for Nozzles	WRK Depositing rack for Nozzles
T005 87 137 98	Vacuum insert Ø 10 mm	Vacuum insert Ø 10 mm
T005 87 137 99	Vacuum insert Ø 4, 5 mm	Vacuum insert Ø 4,5 mm
T005 87 617 30N	WRK Set	Reflow housing set 24 x 24 mm, 27 x 27 mm
T005 87 617 31N	WRK Set	Reflow housing set 20 x 20 mm, 27 x 27 mm
T005 87 617 32N	WRK Set	Reflow housing set 10 x 10 mm, 12,5 x 12,5 mm, 15,5 x 15,5 mm, 18 x 18 mm

WRK Set

Reflow housing set 24 x 24 mm, 27 x 27 mm

Order No. T005 87 617 30N



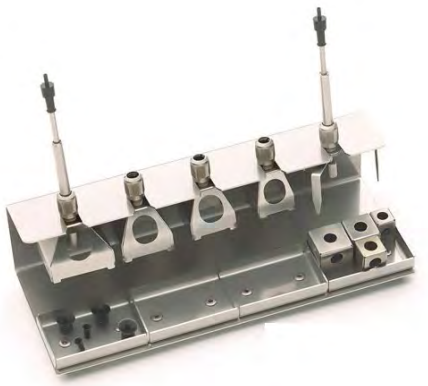
Scope of supply

Order No.	Model	Description
508826	Compression spring	Compression spring
T005 87 137 98	Vacuum insert Ø 10 mm	Vacuum insert Ø 10 mm
T005 87 617 09	Pick-up 10 mm	Vacuum Pick-up 10 mm
T005 87 617 11	Reflow housing	Reflow housing 27 x 27 mm
T005 87 617 12	Reflow housing	Reflow housing 24 x 24 mm
T005 87 617 24	VAC-hose	VAC-hose, WVP-WRK

WRK Set

Reflow housing set 20 x 20 mm, 27 x 27 mm

Order No. T005 87 617 31N



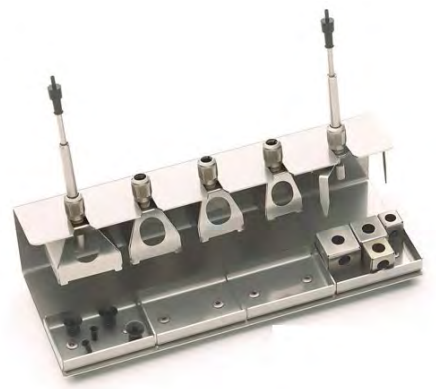
Scope of supply

Order No.	Model	Description
508826	Compression spring	Compression spring
T005 87 137 98	Vacuum insert Ø 10 mm	Vacuum insert Ø 10 mm
T005 87 617 09	Pick-up 10 mm	Vacuum Pick-up 10 mm
T005 87 617 11	Reflow housing	Reflow housing 27 x 27 mm
T005 87 617 13	Reflow housing	Reflow housing 20 x 20 mm
T005 87 617 24	VAC-hose	VAC-hose, WVP-WRK

WRK Set

Reflow housing set 10 x 10 mm, 12,5 x 12,5 mm, 15,5 x 15,5 mm, 18 x 18 mm

Order No. T005 87 617 32N



Scope of supply

Order No.	Model	Description
T005 87 137 99	Vacuum insert Ø 4, 5 mm	Vacuum insert Ø 4,5 mm
T005 87 617 03	Tripod Pick-up	Tripod Pick-up
T005 87 617 08	Pick-up 4,5 mm	Vacuum Pick-up 4,5 mm
T005 87 617 14	Reflow housing	Reflow housing 18 x 18 mm
T005 87 617 15	Reflow housing	Reflow housing 15,5 x 15,5 mm
T005 87 617 16	Reflow housing	Reflow housing 12,5 x 12,5 mm
T005 87 617 17	Reflow housing	Reflow housing 10 x 10 mm

Preheating plates

Preheating plates are used to preheat circuit boards under repair to reduce the possibility of thermal damage and to reduce the heat requirement of the soldering tool for speeding up the repair process.

WHP 80 Preheating plate

Preheating plate 80 W, 24 V, 80 x 50 mm

80 W WT compatible

Order No. T005 27 028 99N

- 80 W, 24 V
- Heating surface 80 x 50 mm
- Temperature range 50 °C - 200 °C
- For all Weller stations with min. 80 W
- Size housing 150 x 120 x 65 mm

Accessories	Order No.	Model	Description
	T005 32 786 99N	PUD 151	Power Unit 150 W
	T005 34 156 99N	WD 1M	Power Unit 150 W (160 W)
	T005 34 346 99N	WT 1	1-Channel Power Unit, 95 W
	T005 34 356 99N	WT 1H	1-Channel Power Unit, 150 W

WXHP 120 Preheating plate

Preheating plate 120 W

120 W | WX compatible | TRACEability qualified | ESD

Order No. T005 27 029 99N

- 120 W, 24 V
- Preheating Size 80 x 50 mm
- Temperature range 50 °C - 200 °C
- Platinum sensor
- Internal parameter storage (Zero Tolerance)
- Connectable to: WX 1, WX 2, WXD 2, WXA 2, WXR 3
- Size housing 150 x 120 x 65 mm (L x B x H)

WHP 200 Infrared preheating plate

Preheating plate 200 W, 230 V, 120 x 60 mm with easy fix board holder

200 W | ESD

Order No. T005 33 716 99N

- 200 W, 230 V
- Heating surface 120 x 60 mm
- Temperature range 50 °C - 400 °C
- Digital display for set and read temperature
- Electronic temperature control
- Infrared high temperautre ceramic elements for fast and efficient heat up
- 2 Easy Fix board holder

WHP 1000 Preheating plate

Preheating plate 1000 W

1000 W | WX compatible | TRACEability qualified

Order No. T005 33 648 99N

- 1000 W, 230 V
- Heating surface 220 x 150 mm
- Temperature range 50°C - 300°C
- RS 232 Interface e.g. for connection to Weller hot air stations WHA 3000
- Digital display for set and read temperature
- Element Type K (accessory) connectable

WHP 3000 Infrared preheating plate

Infrared preheating plate 600 W with Easy Fix board holder

600 W | WX compatible | TRACEability qualified | WT compatible

Order No. T005 33 386 99N

- 600 W, 230 V
- Board size upto 120 x 190 mm
- Temperature range 50 °C - 400 °C
- Digital display for set and actual temperature
- Digitally controlled
- 2 heated zones can be selected
- External sensor (accessory) connectable
- RS 232-Interface cable e.g. for connection to WHA 3000 hot air station
- Easy Fix board holder
- K-type thermo couple socket for monitoring

Accessories	Order No.	Model	Description
	T005 31 190 99	Thermoelement type K, Ø 0, 5 mm	Thermoelement type K, Ø 0,5 mm
	T005 31 191 99	RS 232 Interface cable	Interface cable RS 232, 2 m (78.74 in) for remote control or monitoring by PC (type 1:1) T005 87 359 09
	T005 33 164 99N	WBH PCB board holder without stand	PCB board holder without stand
	T005 33 165 99N	WBHS PCB board holder with stand	PCB board holder with stand for WHA 3000P, WHA 3000V and WTHA 1
	T005 87 578 75N	Board holder	Easy fix board holder

WHP 3000 Infrared preheating plate

Infrared preheating plate 1200 W, 230 V with Easy Fix board holder

1200 W | WX compatible | TRACEability qualified

Order No. T005 33 646 99N

- 1200 W, 230 V
- Board size upto 190 x 245 mm
- Temperature range 50 °C - 400 °C
- Digital display for set and actual temperature
- Digitally controlled
- 6 Infrared high temperature ceramic elements for fast and efficient heat up
- 2 Easy Fix board holder

Accessories	Order No.	Model	Description
	T005 31 190 99	Thermoelement type K, Ø 0, 5 mm	Thermoelement type K, Ø 0,5 mm
	T005 31 191 99	RS 232 Interface cable	Interface cable RS 232, 2 m (78.74 in) for remote control or monitoring by PC (type 1:1) T005 87 359 09
	T005 33 164 99N	WBH PCB board holder without stand	PCB board holder without stand
	T005 33 165 99N	WBHS PCB board holder with stand	PCB board holder with stand for WHA 3000P, WHA 3000V and WTHA 1
	T005 87 578 75N	Board holder	Easy fix board holder

Pre heating nozzle for HAP 3

Pre heating nozzle for HAP 3

Order No. T005 87 578 92

Accessories	Order No.	Model	Description
	T005 33 346 99N	WHA 3000P Set	Hot air station 700 W / 230 V
	T005 33 366 99N	WHA 3000V	Hot-air station 700 W

Soldering baths

Rework preparation tool e.g. for tin coating of wire ends and cleaning of leads and wires from excess and dirt. All soldering baths are suitable for lead free solder.

W101 H Soldering bath

Miniature soldering bath 100 W, 230 V

100 W

Order No. T005 61 093 99N

- 100 W, 230 V
- Inside Ø 17,4 mm, depth 22 mm
- Different temperatures available
- Magnastat temperature control
- Horizontal stand
- For lead free solder

Scope of supply	Order No.	Model	Description
	T005 61 093 99N	W101 H Soldering bath	Miniature soldering bath 100 W, 230 V

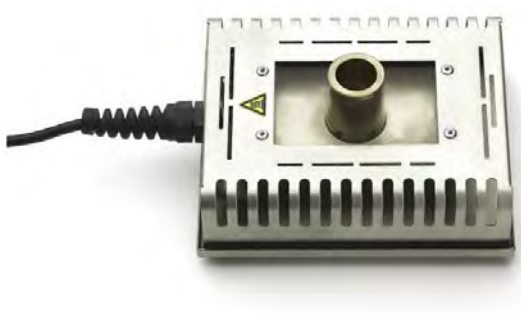
Accessories	Order No.	Model	Description
	T005 11 706 99N	Insert 285 °C	Insert for temperature 285 °C for W 101H
	T005 11 707 99N	Insert 330 °C	Insert for temperature 330 °C for W 101H
	T005 11 708 99N	Insert 380 °C	Insert for temperature 380 °C for W 101H
	T005 11 709 99N	Insert 450 °C	Insert for temperature 450°C for W 101H

WSB 80 Soldering bath

Soldering bath 80 W, 24 V

80 W WT compatible

Order No. T005 27 040 99N



- WSB 80 Solder Bath 80 W - 24 V
- Accessory for WT series soldering stations and WR series rework stations
- For tin coating and preparation of small electronics components and leads
- Precision temperature control / 150° F - 850° F / 50° C - 450° C
- Heated surface - 80 W: Soldering bath - Ø 0.8" x 0.98" D / Ø 20.3 mm x 24.9 mm D
- For lead free solder
- Heat-up time ~ 7 min (50 °C - 350 °C)
- For lead free solder

WSB 150 Soldering bath

Soldering bath 150 W, 24 V

150 W WT compatible

Order No. T005 27 042 99N

- WSB 150 Soldering Bath 150 W, 24 V
- Connectable to all Weller 150 W digital stations and WR3M
- For tin coating and preparation of electronics components and leads
- Precision temperature control / 150° F - 850° F / 50° C - 454° C
- Heated surface - 150 W: Soldering bath - 2.3" x 1.2" x 0.75" / 58 mm x 30 mm x 19 mm
- For lead free solder
- Heat-up time ~ 10 min (50°C - 350°C)
- For lead free solder

WXSB 200 Soldering bath

Soldering bath 200 W, 24 V

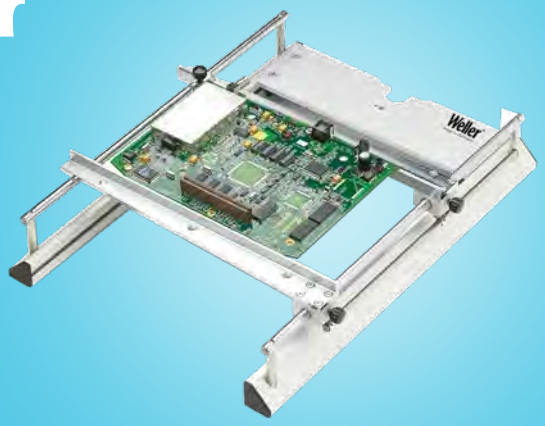
200 W | WX compatible | TRACEability qualified

Order No. T005 27 043 99N

- WXSB200 Soldering bath 200 W - 24 V
- Accessory for WX / WXD and WXA series soldering, desoldering and hot air stations
- For tin coating and preparation of electronics components and leads
- Precision temperature control / 200° F - 930° F / 100° C - 500° C
- Heated surface - 200 W: Soldering bath - 2.3" x 1.2" x 0.75" / 58 mm x 30 mm x 19 mm
- Heat-up time ~ 10 min (50°C - 350°C)
- For lead free solder

Circuit board holder

WBHS circuit board holder with a pivoting stand for the hot air pencil. Circuit boards up to 310 x 320 mm can be accommodated. The circuit board holder ensures that the hot-air pencil is vertical to the printed circuit board under repair and the pivoting stand allows the hot-air pencil to be raised and lowered precisely onto the component being reworked.



WBHS PCB board holder with stand

PCB board holder with stand for WHA 3000P, WHA 3000V and WTHA 1

Order No. T005 33 165 99N

- Max. size 310 x 320 mm
- Board positioning in X and Y directions
- For single and double-sided boards
- Stand to mount HAP 3000 or WTHA 1 hot-air pencil
- WHP 3000 preheating plate could be fitted under the board holder

WBH PCB board holder without stand

PCB board holder without stand

Order No. T005 33 164 99N

- For retaining and securing the circuit boards under repair.
- Same as WBHS but without stand

ESF120

Antistatic PCB board holder

Order No. T005 15 026 99N

- Max. size 160 x 235 mm
- Rotates through 360° in increments of 15°
- Spring clamp
- Cushioned arm for component fixing

WBH 2 PCB board holder

Board holder without stand

Order No. T005 33 167 99

- Max. size 310 x 320 mm

Accessories for Board Holder WBHS, WBH

Order No.	Description
T005 87 548 73	Adjustable circuit board stop for WQB 3000 and WQB 4000
T005 87 557 45	Support for large circuit boards for WQB 4000SOPS with iron angle
T005 87 557 41	Spring-loaded downholder with magnet stand for WQB 3000, WQB 3000SOPS, WBH, WBHS
T005 87 549 24	Clamping Set for Irregular Shaped Circuit Boards (e.g. Mobilephones, Video/Digital Camera Boards, etc.)

Temperature Measuring

Temperature measuring systems are used for independent and regular control, testing and monitoring of the soldering tip temperatures.

A constant check of the soldering tip temperature guarantees a constant quality of the soldering work and prevents faulty batches.

This is recommended especially for soldering systems without internal, automatic parameter controlling.

WCB 2

Measuring and Calibration Box for WSD series

Order No. T005 31180 99N

- OFFSET: Correction value for soldering tip temperature
- SETBACK: Reduction in set temperature after a specified period of time
- LOCK: Locking the set temperature
- °C/°F: Switching temperature display between °C/°F
- WINDOW: Setting a set value window. If the actual temperature is within the set value window a floating contact is activated
- Temperature measuring tips are available for each soldering iron

Accessories	Order No.	Model	Description
	T005 13 832 99	Temperature Measuring System	For connection to unit WCB 2 or all other temperature measure instruments with a type K sensor port.
	T005 31 184 99	WCB 2 Network adapter	Power supply for WCB 2
	T005 31 190 99	Thermoelement type K, Ø 0, 5 mm	Thermoelement type K, Ø 0,5 mm
	T005 31 191 99	RS 232 Interface cable	Interface cable RS 232, 2 m (78.74 in) for remote control or monitoring by PC (type 1:1) T005 87 359 09

WTT 1 Temperature measuring system

Temperature measuring system

Order No. T005 31 246 99N

- Temperature range 50 °C - 500 °C
- Tolerance ± 5 °C
- Dimensions 166 x 115 x 101 mm (L x W x H)

Scope of supply	Order No.	Model	Description
		Power Unit	WTT 1 station, 35 W
		Base plate	Base plate for WTT 1P
	T005 29 109 99N	Probe for WTT 1	Probe for WTT 1

Temperature Measuring System

For connection to unit WCB 2 or all other temperature measure instruments with a type K sensor port.

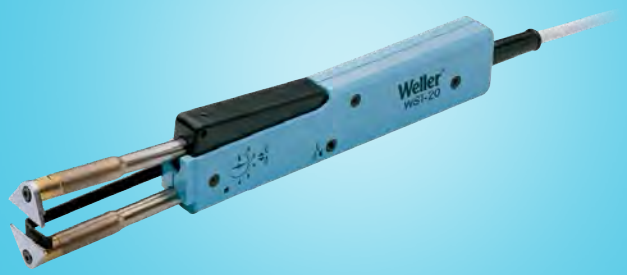
Order No. T005 13 832 99

- Connection to WCB 2 calibration unit
- For measuring soldering tip temperature

WST Wire Stripper

THERMAL STRIPPING TOOL

Temperature controlled thermal stripping tool is suitable for all 80 W Weller stations.



Thermal stripping tool WST 82 KIT1

Thermal stripping tool 80 W, 24 V

80 W

Order No. T005 25 032 99N

- Suitable for all 80 W Weller stations
- For ribbon cable and round wire
- Electronically temperature controlled
- For all well-known thermoplastic synthetic isolations

Scope of supply	Order No.	Model	Description
		WST 82 handle	Thermal stripping tool
	T005 15 032 98	Safety rest for WST 82	Safety Rest for WST 82
	T005 87 250 34	Brush	Brush, copper
	T005 87 257 22	Universal knife set	Universal knife set 9 mm x 2 mm
	T005 87 257 42	Cutting knife set	Cutting knife set, width 23 mm

Thermal stripping tool WST 82 KIT2

Thermal stripping tool 80 W, 24 V with flexcord for wider operation range

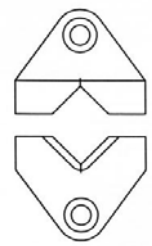
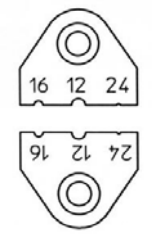
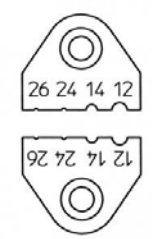
80 W

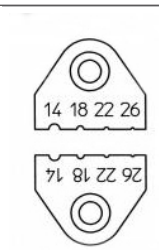
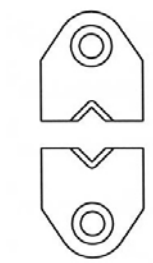
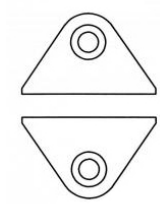
Order No. T005 25 031 99N

- Suitable for all 80 W Weller stations
- Flex cord for 1,5 - 3,5 m working distance
- For ribbon cable and round wire
- Electronically temperature controlled
- For all well-known thermoplastic synthetic isolations

Scope of supply	Order No.	Model	Description
		WST 82 handle	Thermal stripping tool
	T005 15 032 98	Safety rest for WST 82	Safety Rest for WST 82
	T005 87 250 34	Brush	Brush, copper

Accessories WST 82

	Order No.	Description
	T005 87 257 22	Universal knife set 9 mm x 2 mm
	T005 87 257 26	Knife set AWG AWG 12, 16, 24 (2,0, 1,3, 0,51 mm)
	T005 87 257 29	Knife set AWG 12, 14, 24, 26 (2,0, 1,6, 0,51, 0,4 mm) for WST 82

	Order No.	Description
	T005 87 257 32	Knife set AWG 14, 18, 22, 26 (1,6, 1,02, 0,64, 0,4 mm)
	T005 87 257 36	V Knife set 4,25 mm x 2 mm
	T005 87 257 42	Cutting knife set, width 23 mm

USB Microscope

- Microscope with digital camera and USB interface
- Adjustable work stand
- Application software
- Magnification: 20X – 90X
- Sensor 1/3" Color CMOS
- Video frame rate: up to 30 Fps
- Illumination: 8 build-in Hightech LEDs
- LED on/off controlled by software
- Save file format: BMP, JPG, AVI
- Cable length: approx. 1,8 m

Order No.	Description
T005 13 835 99N	USB Microscope with digital camera and adjustable work stand
T005 13 839 99N	USB Microscope with digital camera and adjustable work stand, with polarisation filter
T005 13 834 99	USB Microscope, stand without arm

WLSK 200 Vakuum-Pen

Vacuum-Pen including Tip 3,2 mm x 9,5 mm

Order No. WLSK 200

Scope of supply	Order No.	Model	Description
	TWLSK200 T18	WLSKT 18	Replacement with tip, rubber 3,2 mm
	TWLSK200 T38	WLSKT 38	Replacement with tip, rubber 9,5 mm

Accessories	Order No.	Model	Description
	KDS260 L	KDS260L	Suction Cup Large Ø 9,5 mm for KDS301
	KDS260 M	KDS260M	Suction Cup Medium Ø 6,3 mm for KDS301
	KDS260 S	KDS260S	Suction Cup Small Ø 3,2 mm for KDS301

SA21A

Manual desoldering pump

Order No. SA21A

- Length 200 mm
- Metal housing
- Antistatic

Accessories	Order No.	Model	Description
	SA21A 1	Desoldering tip antistatic	Desoldering tip antistatic for SA 21A

PS 200A

Manual desoldering pump

Order No. PS 200A

- Length 200 mm
- Strong vacuum, minimal rebound
- Metal housing
- Antistatic (with tip PS 2001A)

Accessories	Order No.	Model	Description
	TPS 200 1A	PS 2001A	Desoldering tip antistatic for PS 200A

Solder wire

WSW Solder Wire

- Soldering wire with integrated flux core
- Superior wetting properties
- Cost reduction due to reduction in tip change frequency
- Not flux soaked - no process pollution
- Reduction of service costs for removing of oxidised layers
- No-clean flux
- Flux content 3,5 %

WSW SAC M1

Alloy: Sn3.0Ag0.5Cu
Temperature range: 217-221 °C
J-STD 004 – M1 flux
Flux: 3.5 %

Order no.	Weight				Order no.	Weight			
	oz	g	Inch	mm		oz	g	Inch	mm
T005 13 865 99	17.637	500	0.012	0.3	T005 13 860 99	17.637	500	0.062	1.6
T005 13 864 99	17.637	500	0.019	0.5	T005 13 885 99	8.818	250	0.031	0.8
T005 13 863 99	17.637	500	0.031	0.8	T005 13 886 99	8.818	250	0.039	1.0
T005 13 862 99	17.637	500	0.039	1.0	T005 13 881 99	3.527	100	0.012	0.3
T005 13 861 99	17.637	500	0.047	1.2	T005 13 882 99	3.527	100	0.019	0.5

WSW SAC L0

Alloy: Sn3.0Ag0.5Cu
Temperature range: 217-221 °C
J-STD 004 – L0 flux
Flux: 3.5 %

Order no.	Weight				Order no.	Weight			
	oz	g	Inch	mm		oz	g	Inch	mm
T005 13 872 99	17.637	500	0.012	0.3	T005 13 866 99	17.637	500	0.063	1.6
T005 13 870 99	17.637	500	0.019	0.5	T005 13 887 99	8.818	250	0.031	0.8
T005 13 869 99	17.637	500	0.031	0.8	T005 13 888 99	8.818	250	0.039	1.0
T005 13 868 99	17.637	500	0.039	1.0	T005 13 883 99	3.527	100	0.012	0.3
T005 13 867 99	17.637	500	0.047	1.2	T005 13 884 99	3.527	100	0.019	0.5

WSW SC L0

Alloy: Sn0.7Cu
Temperature range: 227 °C
J-STD 004 – L0 flux
Flux: 3.5 %

Order no.	Weight				Order no.	Weight			
	oz	g	Inch	mm		oz	g	Inch	mm
T005 13 880 99	17.637	500	0.019	0.5	T005 13 878 99	17.637	500	0.039	1.0
T005 13 879 99	17.637	500	0.031	0.8	T005 13 877 99	17.637	500	0.047	1.2

WSW SC M1

Alloy: Sn0.7Cu
Temperature range: 227 °C
J-STD 004 – M1 flux
Flux: 3.5 %

Order no.	Weight				Order no.	Weight			
	oz	g	Inch	mm		oz	g	Inch	mm
T005 13 876 99	17.637	500	0.019	0.5	T005 13 874 99	17.637	500	0.039	1.0
T005 13 875 99	17.637	500	0.031	0.8	T005 13 873 99	17.637	500	0.047	1.2

WSW SCN M1

Alloy: Sn-0.6Cu-0.05Ni
Temperature range: 227°C
J-STD 004 – M1 flux
Flux: 3.5 %

Order no.	Weight			
	oz	g	Inch	mm
T005 14 013 99	3.527	100 g	0.031	0,8 mm

SD 1000

Solder dispenser

Order No. T005 13 017 99N

- For use of coils up to 1000 g
- Length 95 mm, core Ø > 15 mm
- Length 70 mm, core Ø > 12 mm
- Length 84 mm, core Ø < 12 mm

ABW 2 Extension for additional reel

ABW 2 Extension for addtional reel
SD 1000 Solder dispenser

Order No. T005 13 013 99

- For use of coils up to 1000 g
- Length 95 mm, core Ø > 15 mm
- Length 70 mm, core Ø > 12 mm
- Length 84 mm, core Ø < 12 mm

Accessories Cleaning

WDC Dry Cleaner

Dry cleaner for soldering tips with brass cleaning wool

Order No. T005 15 124 99N

- Minimisation of the erosion
- Double soldering tip lifetime

WDC 2 Dry Cleaner

Dry Cleaner for WDH safety rests with brass cleaning wool

Order No. T005 15 125 99

WDC Dry Cleaner Set

Dry cleaner set

Order No. T005 15 126 99N

Scope of supply	Order No.	Model	Description
	T005 13 031 99	Tip-Activator	For regeneration of oxidized tips
	T005 13 827 99	Stainless steel brush	Stainless Steel Brush (3 pieces)
	T005 15 124 99N	WDC Dry Cleaner	Dry cleaner for soldering tips with brass cleaning wool
	WPB1	WPB 1 Polishing Bar	Polishing Bar for removal of compacted oxidised films on soldering tips.

WDC 2 Dry Cleaner Set

Dry cleaner

Order No. T005 15 127 99

Scope of supply	Order No.	Model	Description
	T005 13 031 99	Tip-Activator	For regeneration of oxidized tips
	T005 13 827 99	Stainless steel brush	Stainless Steel Brush (3 pieces)
	T005 15 124 99N	WDC Dry Cleaner	Dry cleaner for soldering tips with brass cleaning wool
	WPB1	WPB 1 Polishing Bar	Polishing Bar for removal of compacted oxidised films on soldering tips.

Metal Wool

Metal Wool for WDC Dry Cleaner (T0051512499), Replacement (2 Pieces)

Order No. T005 13 824 99

Brass cleaning wool

Brass cleaning wool for WDC 2 Dry Cleaner for WDH safety rests Replacement (2 pcs.)

Order No. T005 13 841 99

Metal wool

Metal Wool for WDC 2 Dry Cleaner (T005 15 125 99), Replacement (2 Pieces)

Order No. T005 13 825 99

Cleaning sponge

Cleaning sponge single-layer, 70 x 55 x 16 mm

Order No. T005 22 419 99

TC205

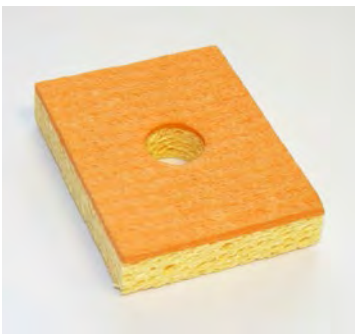
Cleaning sponge for WEP 70 safety rest

Order No. TC205

Cleaning sponge

Cleaning sponges double-layer 70 x 55 x 16 mm

Order No. T005 22 420 99



Stainless steel brush

Stainless Steel Brush (3 pieces)

Order No. T005 13 827 99

WPB 1 Polishing Bar

Polishing Bar for removal of compacted oxidised films on soldering tips.

Order No. WPB1

- Cleaning only possible in cold state of the soldering tip

Tip-Activator

For regeneration of oxidized tips

Order No. T005 13 031 99

- Cleaning only possible in hot state of the soldering tip

Desoldering wire

- The desoldering wires consists of a copper net with flux. The special surface treatment allows efficient solder removal.

Order No.	Description
T005 13 010 99	Desoldering wire 1,6 m coil, width 1,5 mm.
T005 13 011 99	Desoldering wire 1,6 m coil, width 2 mm
T005 13 012 99	Desoldering wire 1,6 m coil, width 2,5 mm
T005 13 028 99	Desoldering wire 15 m coil, width 2,5 mm
T005 13 026 99	Desoldering wire 30 m coil, width 1,5 mm
T005 13 027 99	Desoldering wire 30 m coil, width 2 mm

Liquid flux

Liquid flux (100 ml) for simple soldering applications with high temperature and long soldering times (for example wire and dip)

Order No. T005 13 831 99

- Without brush
- Typ 1.1.3. AF-SW32, EN29 454
- Remaining flux is not corrosive
- DIN EN 61190 ROL0
- Flux on base of resin

Liquid flux

Liquid flux RMA (15 ml) especially for BGA and SMT rework. Very reliable, avoids short cuts

Order No. T005 13 837 99

- With brush
- Solvent content 73 %
- Solvent content 73 %
- ROL1 related to IPC J-STD-004

Spot-Mask

Suitable for lead free applications, 250 ml

Order No. SM15748BK

- Storable 12 months
- Suitable for lead free applications
- The Spot-Mask is a material to protect connectors of PCBs from tinning during the reflow process. For manual rework the Spot-Mask is easily applied and removed. Mechanic fixture after 6 min, hardened after 2-3 hours by 20 °C, 1 hour by 95 °C.

Extension cord

Order No.	Description
T005 32 099 99	Extension cord 2-wire, 4 m for TCPS
T005 25 098 99	Extension cord 5-wire, 4 m, up to 50 W, for soldering iron LR 21, MLR 21, WTA 50
T005 26 098 99N	Extension cord 7-wire, 3 m, up to 80 W, for WMP, WSP 80

EASY HAND-
LING

Dispensing

Professional

287 - 294

Dispensing

Less is more ...

For every dispensing application

The right dispenser for every application.
2 versions of dispenser, 1 or 2 channel.

Reduce rework and waste

Reduced sources of errors due to manual control. Dispensing time via potentiometer.

Efficient and cost orienated

Savings thanks to precise meter.

Precise and clean results.

Protection against contamination.
Vacuum technology prevents dripping.

KDS824A

Deluxe Shot Meter 230 V / 120 V

Order No. T005 31 636 99

- Shot time duration adjustable from 0,01 to 99,99 seconds
- Vacuum feature prevents dripping
- Electrically actuated foot pedal
- One channel without time controlled air

Accessories	Order No.	Model	Description
	KDS816	KDS816	Syringe Holder Stand
	KDS830S6N	KDS830S6	- Metal syringe adapter with 6" (2 m) air line and fitting - Plugs directly into any shot meters - Fittes all syringes usual in trade

KDS834A

Economy Shot Meter 230 V / 120 V

Order No. T005 31 656 99

- Hot time duration adjustable from 0,01 to 99,99 seconds
- Vacuum feature prevent dripping
- Electrically actuated foot pedal

Accessories	Order No.	Model	Description
	KDS816	KDS816	Syringe Holder Stand

KDS806V

Foot valve with vacuum

Order No. KDS806V

- Basic ON-OFF function
- Foot actuated for excellent ergonomics
- Work on compressed air input only, no electricity required
- 0-100 PSI regulator and gauge
- Vacuum feature prevents dripping

Vacuum Pick-up

KDS301

Vacuum Pick-up Wand

Order No. KDS301

- Attaches to the air accessory port of the KDS824A
- Can be connected on a compressed air hose via a 4 mm outer diameter on the pressure reducer
- A finger control on the wand allows an easily pick up of small components
- Comes with three sizes of conductive suction cups KDS260S (3,2 mm), KDS260M (6,3 mm), KDS260L (9,5 mm)

Accessories for Vacuum Pick-up

Order No.	Description
KDS260S	Suction Cup Small Ø 3,2 mm for KDS301
KDS260M	Suction Cup Medium Ø 6,3 mm for KDS301
KDS260L	Suction Cup Large Ø 9,5 mm for KDS301

Syringe Adapter

Metal Adapters Assemblies (universal)

- Metal syringe adapter with 6" (2m) air line and fitting.
- Plus directly into any short meters.
- Fitters all syringes usual in trade.

Order No.	Size	Airline Diameter		Pkt. Qty.
		Inch	mm	
KDS805S6N	5CC	3/32	2.4	1
KDS810S6N	10CC	3/32	2.4	1

Accessory

Order No.	Description
KDS816	Syringe Holder Stand

Needles

Stainless Steel Plastic Hub Dispensing Needles

Order No.	Description	Gauge	Inside Ø		Outside Ø		Length		Colour	Pkt. Qty.
			Inch	mm	Inch	mm	Inch	mm		
KDS1412P	Tapered Tip Needles	14	0.067	1.70	0.083	2.11	0.5	12.70	Dark green	50
KDS141P	Tapered Tip Needles	14	0.067	1.70	0.083	2.11	1	25.40	Dark green	50
KDS1512P	Tapered Tip Needles	15	0.060	1.52	0.072	1.83	0.5	12.70	Orange	50
KDS1612P	Tapered Tip Needles	16	0.053	1.35	0.064	1.63	0.5	12.70	Purple	50
KDS161P	Tapered Tip Needles	16	0.053	1.35	0.064	1.63	1	25.40	Purple	50
KDS16112P	Tapered Tip Needles	16	0.053	1.35	0.064	1.63	1.5	38.10	Purple	50
KDS1712P	Tapered Tip Needles	17	0.045	1.14	0.060	1.52	0.5	12.70	White	50
KDS1812P	Tapered Tip Needles	18	0.038	0.97	0.050	1.27	0.5	12.70	Pink	50
KDS181P	Tapered Tip Needles	18	0.038	0.97	0.050	1.27	1	25.40	Pink	50
KDS1912P	Tapered Tip Needles	19	0.032	0.81	0.042	1.07	0.5	12.70	Brown	50
KDS191P	Tapered Tip Needles	19	0.032	0.81	0.042	1.07	1	25.40	Brown	50
KDS2012P	Tapered Tip Needles	20	0.026	0.66	0.035	0.89	0.5	12.70	Yellow	50
KDS201P	Tapered Tip Needles	20	0.026	0.66	0.035	0.89	1	25.40	Yellow	50
KDS2112P	Tapered Tip Needles	21	0.023	0.58	0.032	0.89	0.5	12.70	Green	50
KDS2212P	Tapered Tip Needles	22	0.019	0.48	0.028	0.71	0.5	12.70	Black	50
KDS221P	Tapered Tip Needles	22	0.019	0.48	0.028	0.71	1	25.40	Black	50
KDS2312P	Tapered Tip Needles	23	0.017	0.43	0.025	0.64	0.5	12.70	Light blue	50
KDS2512P	Tapered Tip Needles	25	0.012	0.30	0.020	0.51	0.5	12.70	Blue	50
KDS3012P	Tapered Tip Needles	30	0.006	0.15	0.012	0.30	0.5	12.70	Lavender	50
KDS660	Pieces Needle Kit									500
KDSSAMPLEPACK	Needle Sample Pack									5

Tapers Tip Needles

Order No.	Description	Gauge	Inside Ø		Colour	Pkt. Qty.
			Inch	mm		
KDS14TNP	Tapered Tip Needles	14	0.063	1.60	Salmon	50
KDS16TNP	Tapered Tip Needles	16	0.048	1.22	Grey	50
KDS18TNP	Tapered Tip Needles	18	0.034	0.86	Green	50
KDS20TNP	Tapered Tip Needles	20	0.024	0.61	Pink	50
KDS22TNP	Tapered Tip Needles	22	0.017	0.43	Blue	50

Miscellaneous Accessories

Order No.	Description	Pkt. Qty.
KDS825	Panel Mount Coupler	1
KDS900	Male Connector Large Barb	5
KDS901	Female Connector for KDS301	1

Weller®

Electronic screwdriver

POWER IS NOTHING WITHOUT CONTROL

Low noise level operations

Below emission level in hospitals during day duty, brushless motor, noise level < 55dBA

Compatible units

Analog and digital power units, clutch systems or electronic screwdrivers - all tools are compatible and for a variety of applications

No emissions

Perfect for industrial serial assembly with assembly tasks at low torque

ESD-safe

No electrostatic discharge

Electronic screwdriver

Professional

295 - 306

LOW RUNNING COSTS

Technical Data


	WTS A	WTS D
Mains supply voltage	100 - 240 VAC	
Speed control	from 60 % to 100% of nominal speed	
Display	no	LED
Operation panel	Simply rotary dial adjustment	Text display
Torque range display	no	yes
Order no.	T005 39 016 99	T005 39 006 99
WBTS12L Lever start	✓	✓
WBTS35L Lever start	✓	✓
WBTS35ECL Lever start	✓	✓✓
WBTS12P Push to start	✓	✓
WBTS35P Push to start	✓	✓

Connecting Overview

Screwdriver

WTS A

Analog Power Unit

Order No. T005 39 016 99

- Simply rotary dial adjustment
- Soft start capability, ramp from 0 to 2 sec.
- ESD compliant housing

WTS D

Digital Power Unit

Order No. T005 39 006 99

- Easy operation with text display and simple programming, multiple languages
- Soft start capability, ramp from 0 to 2 sec.
- Suitable for complex tightening applications
- ESD compliant housing
- Recommended ECL Electric Screwdriver

Technical Data

	WBTS12L	WBTS35L	WBTS35ECL	WBTS12P	WBTS35P
Rotation speed	650 UpM	800 UpM	800 UpM	650 UpM	800 UpM
Start	Lever start	Lever start	Lever start	Push to start	Push to start
Torque range	0,05 - 1,2Nm	0,5 - 3,5Nm	0,5 - 3,5Nm	0,05 - 1,2Nm	0,5 - 3,5Nm
For use with 1/4" bits	1/4"	1/4"	1/4"	1/4"	1/4"
Brushless, maintenance free motor	yes	yes	yes	yes	yes
Right and left rotation	yes	yes	yes	yes	yes
Low noise	<55dBA	<55dBA	<55dBA	<55dBA	<55dBA

WBTS12L

Electric screwdriver with lever start

0,05 -1,2 Nm | 650 UpM | manual

Order No. T005 39 091 99

Similar to figure

- Lever start
- Torque setting via clutch spring compression
- 8-pin interface cable
- Connecting cable 2,5 m

WBTS35L

Electric screwdriver with lever start

0,5 - 3,5 Nm | 800 UpM | manual

Order No. T005 39 093 99

Similar to figure

- Lever start
- Torque setting via clutch spring compression
- 8-pin interface cable
- Connecting cable 2,5 m

WBTS35ECL

Electric screwdriver with lever start

0,5 - 3,5 Nm | 800 UpM | automatic

Order No. T005 39 095 99

- Lever start
- Torque setting via digital controller
- 8-pin interface cable
- Connecting cable 2,5 m

WBTS12P

Electric screwdriver push to start

0,05 -1,2 Nm | 650 UpM | manual

Order No. T005 39 092 99

- Push to start
- Torgue setting via clutch spring compression
- 8-pin interface cable
- Connecting cable 2,5 m

WBTS35P

Electric screwdriver push to start and 8-pin interface cable

0,5 - 3,5 Nm | 800 UpM

Order No. T005 39 094 99

Similar to figure

- Push to start
- Torgue setting via clutch spring compression
- Connecting cable 2,5 m

Accessories

WAH12

90° Angle head for WBTS12L

Order No. T005 87 677 01

- Especially for tight work spaces

WAH35

90° Angle head for WBTS35L

Order No. T005 87 677 02

- Especially for tight work spaces

WBAL

Balancer

Order No. T005 87 677 03

- Working load limit from 0,4 to 1 kg

WCAB5M

Connecting cable 5 m, 8-pin

Order No. T005 87 677 04

- Flexible connecting cable

WCAB5MS

Connecting cable with twist 5 m, 8-pin

Order No. T005 87 677 05

- Flexible connecting cable with twist

WTT5

Torque tester from 0,2 to 5 Nm

Order No. T005 87 677 06

- Tester for screwdriver calibration
- 3 units of torque measurements
- Automatic shut down
- 2 Display mode selectable
- Battery powered or power supply

Torx® Bits

1/4" Hex Insert Bits

Order no.	Size	Overall length		Order no.	Size	Overall length	
		Inch	mm			Inch	mm
440-TX-05X	T-5	1	25	**440-TX-15X**	T-15	1	25
440-TX-06X	T-6	1	25	**440-TX-20X**	T-20	1	25
440-TX-07X	T-7	1	25	**440-TX-25X**	T-25	1	25
440-TX-08X	T-8	1	25	**440-TX-27X**	T-27	1	25
440-TX-09X	T-9	1	25	**440-TX-30X**	T-30	1	25
440-TX-10X	T-10	1	25	**440-TX-40X**	T-40	1	25

Socket Head Bits

1/4" Hex Insert Bits - Metric

Order no.	Size	Overall length		Order no.	Size	Overall length	
		Inch	mm			Inch	mm
185-1.5MM	1.5 mm	1	25	**185-6MM**	6.0 mm	1 5/16	33
185-2MM	2 mm	1	25	**185-7MM**	7.0 mm	1 1/4	32
185-2.5MM	2.5 mm	1	25	**185-8MM**	8.0 mm	1 1/4	32
185-3MM	3.0 mm	1	25	**185-9MM**	9.0 mm	1 1/4	32
185-4MM	4.0 mm	1 5/16	33	**185-10MM**	10.0 mm	1 1/4	32
185-5MM	5.0 mm	1 5/16	33				

Bit Holder

Hex Drive for 1/4" Hex Inserts

Order no.	Size	Overall length		
		Inch	mm	
M-490-NR	2 31/32	2.95	75	Magnetic; no lock ring

Slotted Drive

1/4" Hex Power Drive

Order no.	Screw size	Lenght		Blade Thickness (A)		Blade Width / Body	
		Inch	mm	Inch	mm	Inch	mm
320-000X	1F-2R	1.929	49	0.022	0.56	0.122	3.10
326-000X	1F-2R	2.756	70	0.022	0.56	0.122	3.10
320-00X	2F-3R	1.929	49	0.26	0.66	0.134	3.40
326-00X	2F-3R	2.756	70	0.026	0.66	0.134	3.40
320-0X	3F-4R	1.929	49	0.030	0.76	0.151	3.84
326-0X	3F-4R	2.756	70	0.030	0.76	0.151	3.84
320-1X	4F-6R	1.929	49	0.034	0.86	0.187	4.75
326-1X	4F-5R	2.756	70	0.034	0.86	0.187	4.75
320-20X	5F-6R	1.929	49	0.036	0.91	0.215	5.46
326-20X	5F-6R	1.929	49	0.91	0.91	0.215	5.46
320-2X	5F-6R	1.929	49	0.036	0.91	0.250	6.35
326-2X	5F-6R	2.756	70	0.036	0.91	0.250	6.35

Socket Head Drive

1/4" Hex Power Drive - Metric

Order no.	Size	Overall length		Order no.	Size	Overall length	
		Inch	mm			Inch	mm
AM-1.5mm	1,5 mm	1 15/16	49	**AM-5mm**	5,0 mm	1 15/16	49
AM-2mm	2,0 mm	1 15/16	49	**AM-5mm-4**	5,0 mm	4	102
AM-2.5mm	2,5 mm	1 15/16	49	**AM-6mm**	6,0 mm	1 15/16	49
AM-3mm	3,0 mm	1 15/16	49	**AM-6mm-4**	6,0 mm	4	102
AM-3mm-3	3,0 mm	3	76	**AM-7mm**	7,0 mm	1 15/16	49
AM-3mm-4	3,0 mm	4	102	**AM-8mm**	8,0 mm	1 15/16	49
AM-4mm	4,0 mm	1 15/16	49	**AM-10mm**	10,0 mm	1 15/16	49

Pozidriv®-Drive

1/4" Hex Power Drive

Order no.	Size	Overall length		Body-Ø (B)		Turned length (A)	
		Inch	mm	Inch	mm	Inch	mm
491-PZDX	1	1 15/10	49	3/10	4.6	1 1/4	32
491-A-PZDX	1	2 3/4	70	3/16	4.8	2	51
492-PZDX	2	1 15/16	49	1/4	6.4	1 1/4	32
492-A-PZDX	2	2 3/4	70	1/4	6.4	2	51
493-PZDX	3	1 15/16	49	5/16	7.9	1	25
493-A-PZDX	3	2 3/4	70	5/16	7.9	1 3/4	44

Torx® Drive

1/4" Hex Power Drive

Order no.	Size	Overall length		Body-Ø
		Inch	mm	mm
49-TX-05	T-5	1 15/16	49	3.0
49-A-TX-05	T-5	2 3/4	70	3.0
49-TX-06	T-6	1 15/16	49	3.0
49-A-TX-06	T-6	2 3/4	70	3.0
49-TX-07	T-7	1 15/16	49	3.0
49-A-TX-07	T-7	2 3/4	70	3.0
49-A-TX-08	T-8	2 3/4	70	3.0
49-TX-09	T-9	1 15/16	49	3.0
49-A-TX-09	T-9	2 3/4	70	3.0
49-TX-10	T-10	1 15/16	49	3.8
49-A-TX-10	T-10	2 3/4	70	3.8
49-TX-15	T-15	1 15/16	49	3.8
49-A-TX-15	T-15	2 3/4	70	3.8
49-TX-20	T-20	1 15/16	49	4.3
49-A-TX-20	T-20	2 3/4	70	4.3
49-TX-25	T-25	1 15/16	49	4.0
49-B-TX-25	T-25	3 1/2	89	4.9
49-TX-27	T-27	1 15/16	49	5.5
49-B-TX-27	T-27	3 1/2	89	5.5
49-TX-30	T-30	1 15/16	49	6.0
49-B-TX-30	T-30	3 1/2	89	6.0
49-TX-40	T-40	1 15/16	49	7.8
49-B-TX-40	T-40	3 1/2	89	7.8

Phillips® Drive

1/4" Hex Power Drive

Order no.	Size	Overall length		Body-Ø (B)		Turned length (A)	
		Inch	mm	Inch	mm	Inch	mm
4910X	0	1 15/16	49	1/8	3.2	1 1/4	32
4910-AX	0	2 3/4	70	1/8	3.2	2	51
491X	1	1 15/16	49	3/16	4.8	1 1/4	32
491-AX	1	2 3/4	70	3/16	4.8	2	51
492X	2	1 15/16	49	1/4	6.4	1 1/4	32
492-AX	2	2 3/4	70	1/4	6.4	2	51
493X	3	1 15/16	49	5/16	7.9	1	25
493-AX	3	2 3/4	70	5/16	7.9	1 1/4	44

Weller
Erem

Precision tools

Precision Tools Erem®

Side cutters and tip cutters, pliers, tweezers, special Erem tools, toolkits

307 - 378

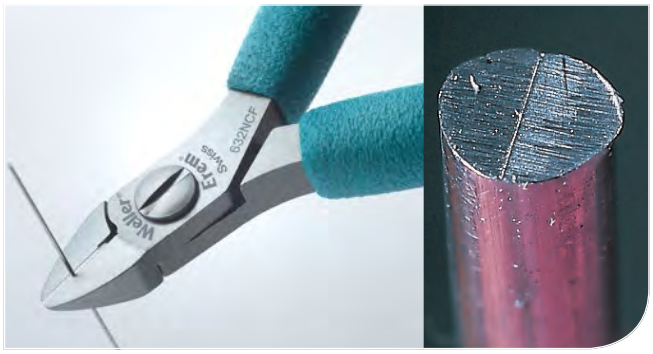
Special applications

Side cutters for use in medical device manufacturing

The 632NCF miniature side cutter is ideally suited for soft material such as silicone tubes in medical device applications, precision connector seals or miniature rubber seals.

The miniature cutter is also the ideal tool for cutting soft synthetic parts, e.g. in the manufacture of hearing aids.

The cutting edges of the 632NCF side cutter are precision-ground to an extremely high level. This enables the cutter to deliver a razor-like full-flush cut.

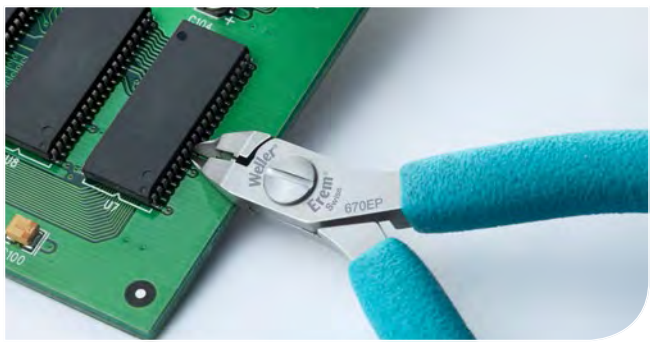


Tip cutters to remove fine pitch SMD ICs

A simple method to remove SMD ICs is to cut each of the individual leads to remove the device and then reflow the joint with a soldering iron and remove the component leads from the board.

The solder left on the board can then be removed with a desoldering tool or desolder braid and a new component fitted.

The 670EP and 670EPF have fine pointed tapered and relieved heads that are able to fit between individual leads and cut them without causing damage to the printed circuit.



Tungsten-carbide cutter for the preparation of cardio-vascular stents

A stent is a vascular-wall prop. It is a lattice-shaped tube made of stainless steel or nickel-titanium. It serves to hold open constricted coronary blood vessels and improves the flow of blood through the vessels.

It is important in stent manufacture that the cut end of any wire in the lattice is as flat as possible, otherwise it will be necessary rework the stents.

These side cutters have fine polished carbide cutting blades to accurately cut the lattice and reduce the need for rework.

High-precision side cutters for cutting stainless wires

The 599TFO has wear resistant tungsten-carbide cutting edges and all round capability. It is able to cut VectranTM braided wires, fiber optics, Kevlar® and small stainless steel braids and wires.

A further application lies in telecommunications, i.e. working on fiber-optic cables, Kevlar® silks and piano wires.

The quality and performance of Erem precision tweezers are the result of more than 40 years of development and expertise.

Erem is one of the leaders in the development of high-precision tools for a wide variety of applications in electronics, aeronautical engineering, light engineering, telecommunications, laboratory technology, medicine and the jewelry, watchmaking and goldsmithing industries.

Tweezers for biology and laboratory applications

Erem micro-tweezers are suitable for use in biology (e.g. model 5MBS, 5FSA or M5S).

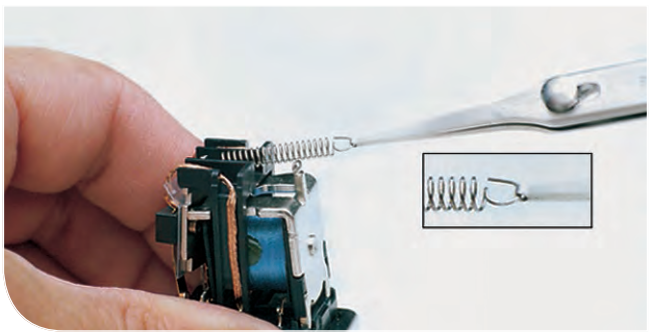
These tweezers with very pointed tips make it possible to access tight spaces and offer excellent visibility when performing precision work and when working under a microscope.

High-precision tweezers are particularly suitable for analysis applications and the handling of tissues, fine threads and other very small objects.

Tweezers for use in the jewelry industry

These stainless steel tweezers with Teflon® coated tips (e.g. type 2ASASLT) are particularly suited for use in the jewelry industry. They are robust and the Teflon® coated tips provide a non-stick surface.

Titanium tweezers type like 3CTA are also ideal for this application. Their light weight maintains fingertip control over extended working periods and their resistance to high temperatures allows them to be used in applications that might use gas flames.



Tweezers for use in light engineering and dental applications

Erem offers special gripping pliers for applications in light engineering. The type 940AS lockable gripping tweezers can withstand a tensile force of 5 kg and can securely hold small wires.

The stainless steel construction allows the tweezers to be sterilized in an autoclave.

Side cutters and tip cutters

FOR ALMOST EVERY APPLICATION

Built-in Erem Magic Spring

The Magic Spring system used in Erem precision tools is unique. It is integral to the cutting head and provides a constant closing and re-opening force.

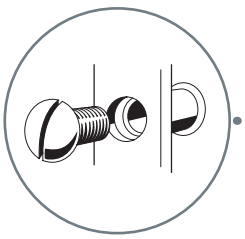
It is highly reliable, makes the tools easy to use and reduces operator fatigue.

- Reduce costs thanks to long life
- Constant spring force
- Guarantees more than 1 million operations

High-precision screw joint

This self locking screw joint system gives a smooth cutting and opening action and ensures that there is no blade overlap or play.

- Smooth jaw action with no play
- Smooth cutting operation with no jaw overlapping



Induction-hardened cutting edges

The cutting blades of Erem cutters are hardened to Rockwell 63-65 HRc by an induction-heating process.

- High durability thanks for special material selection

Special tool steel

Erem electronics tools are made from bright steel.
The special tool steel is made using a unique Swiss processing technique.

- The bright tool steel gives additional strength and toughness to the tools to promote a long service life.

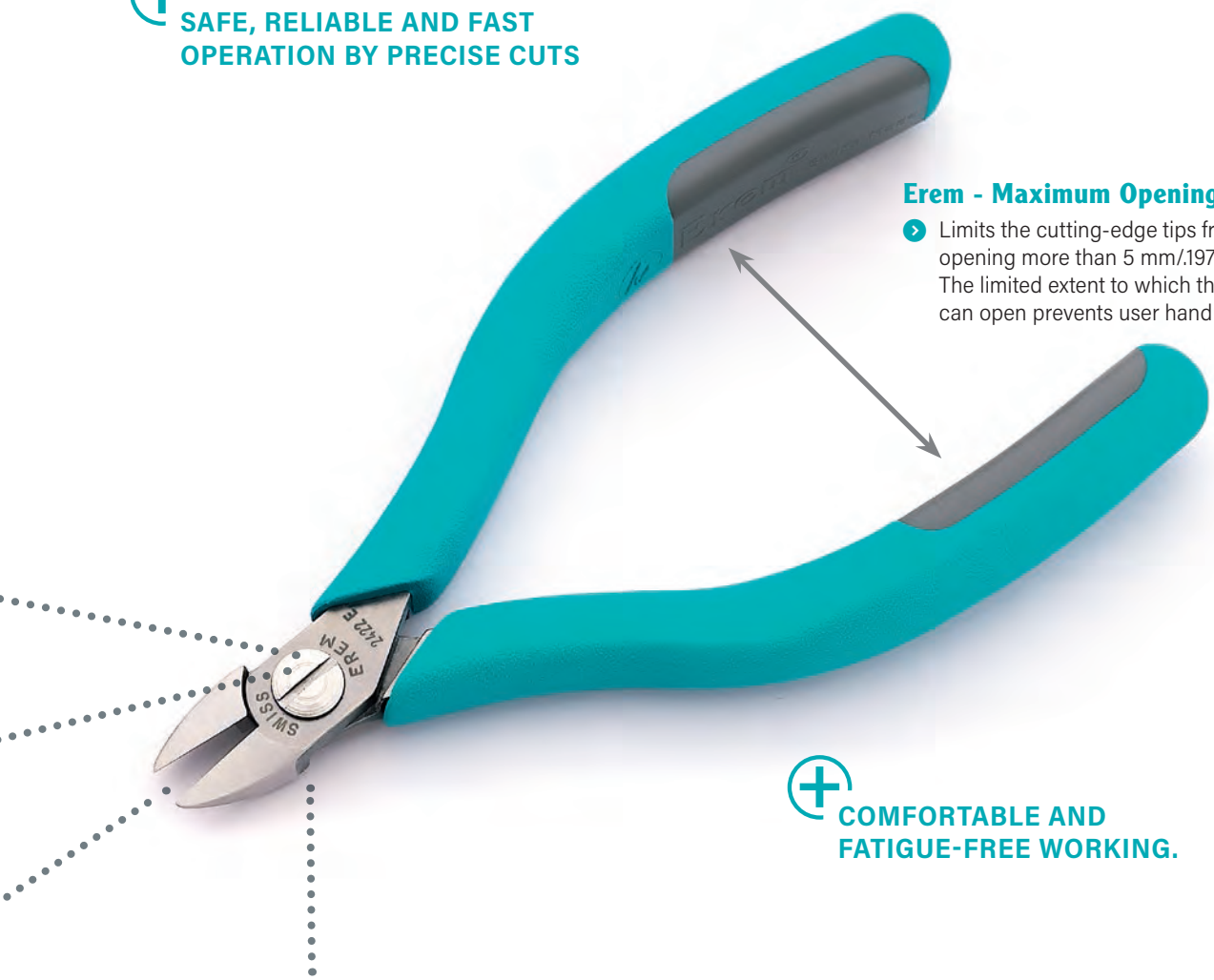
ESD-safe

The interchangeable foam-cushion handles are ESD-safe and are fitted as standard on all Erem cutters and pliers.

Ergonomically shaped handles

For high comfort,
better grip and added safety.

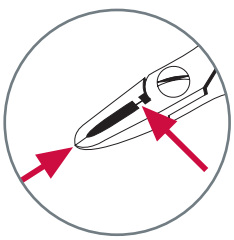
SAFE, RELIABLE AND FAST OPERATION BY PRECISE CUTS



Erem - Maximum Opening Stop

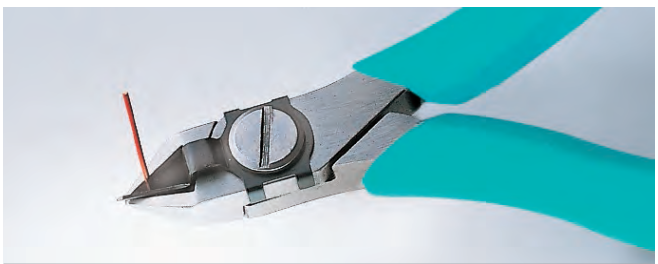
Limits the cutting-edge tips from opening more than 5 mm/.197 Inch. The limited extent to which the handles can open prevents user hand fatigue.

COMFORTABLE AND FATIGUE-FREE WORKING.



Erem cutting-edge protection for tip cutters

All tip cutters are fitted with a special stop system which prevents the cutting edges from overlapping.



Safety device for holding wire scraps

This safety device for side cutters holds wire scraps securely after cutting. Available on most 500, 600 and 2400 series cutters (oval head). Order suffix "W" e.g. 595EW.

Cut shape

There are three blade options, which determine the shape left on a lead after cutting.

Semi-flush

This cut leaves a pyramidal tip at the end of the wire. It is particularly suitable for standard jobs where the final shape does not play a significant role. Cutters with this cut are suitable for both soft copper wires and very hard wires such as stainless steel.

Flush

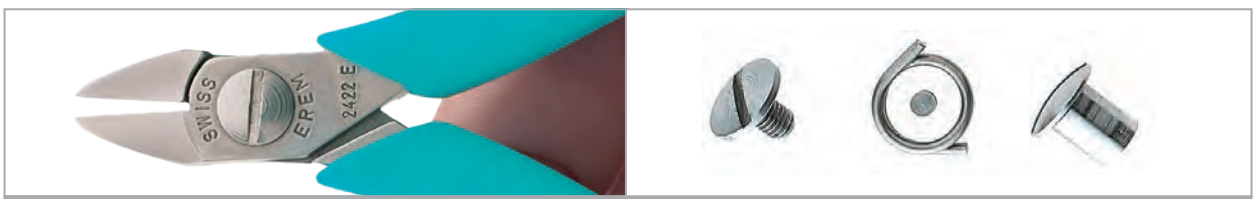
This cut leaves a much smaller tip at the end of the wire than the semi-flush cut – without reducing the cutting ability. The cutting edges are finer than on semi-flush cutters. The effort exerted when cutting is less and the load on the component is reduced. Flush wire ends reduce the effort needed to fit components on printed-circuit boards. Erem guarantees precise cutting even after frequent use.

Super full flush

Only Erem offers you a super full flush cut. This cut provides absolutely flush wire ends.
No rework is needed. Cutters with this cut are absolutely precision-ground and sharpened. The effort exerted when cutting is low, as is the load on the component caused by the cut. Soldering tags in soldering-bath procedures are prevented. Cutters of this type are used in applications for microelectronics, space travel or medical technology. These cutters are suitable for soft wires.

Erem vs Competitor

Service



Re-sharpening
Erem is your service partner. All Erem side and tip cutters except those with carbide insert blades can be re-sharpened upto three times. Carriage charges will apply.

Replacement parts
Erem cutters and pliers and their component parts are warranted against manufacturing defects. Magic springs, precision joint components are available as spare parts.

Choosing the right tool

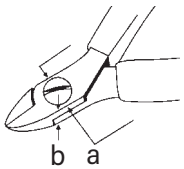
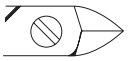
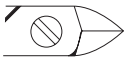
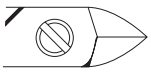
	Micro **Series 600 / 2600**	Medium **Series 2400 MagicSense**	Medium **Series 500**	Maxi **Series 800 / 2800**	**Tungsten-carbide cutters**
	Miniature cutters for fine wires.	Medium-size cutters. Combines robustness, visibility and accessibility. Optimized ergonomic shape and an improved grade of hardness.		The strongest and most robust head size cuts large wire diameters.	
Tip cutter Straight relieved head • Horizontal and vertical cuts • Cutting in hard-to-reach areas	✓	✓	✓		
Tip cutter Angled narrow head • Precise cuts at different working angles		✓	✓		
Tip cutter Angled wide head • Precise cuts at different working angles		✓	✓		✓
Side cutter Pointed relieved head • Narrowest head shape • Optimum access even to extremely hard-to-reach areas	✓		✓	✓	✓
Side cutter Tapered head • Straight edges and taper to a point • Access to difficult to reach areas without reducing the cutting ability	✓	✓	✓	✓	✓
Side cutter Oval head • Cutting in easy accessible areas • Offers the highest cutting capacity		✓	✓	✓	✓

Visibility and accessibility

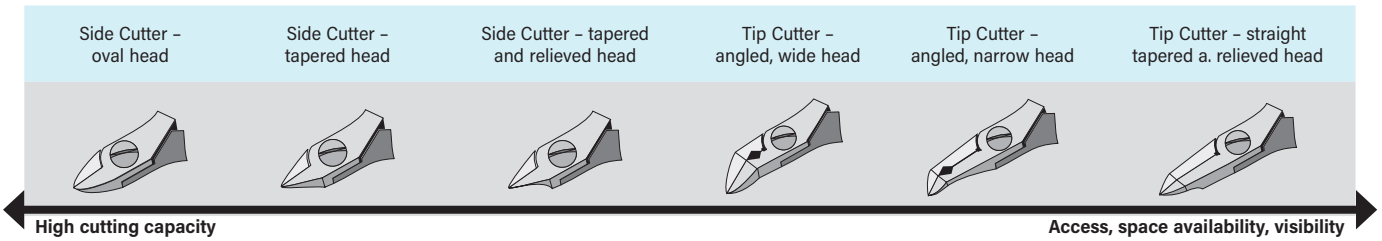
High cutting ability

Choosing the right tool

3 Sizes

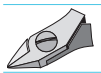
	Micro		Medium		Maxi	
						
	Series 600 / 2600		Series 500	Series 2400	Series 800 / 2800	
Width a	9,0 mm	9,0 mm	11,0 mm	11,0 mm	13,5 mm	13,5 mm
Thickness b	6,0 mm	6,0 mm	6,0 mm	6,0 mm	7,2 mm	7,2 mm

How to choose the right tool?



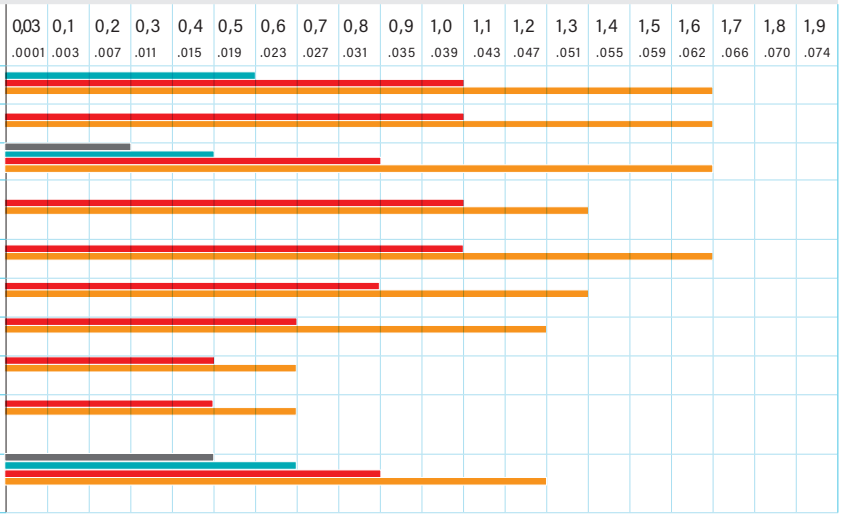
Cutting Capabilities

Piano wire
Hard wire, material 1.4301, tensile strength of wire 1800 MPa
Medium hard wire, material 1.4301, tensile strength of wire 800 MPa
Soft wire, copper, aluminium, tensile strength of wire 250 MPa

Type	Type of Cut	Cutting Capacity
Series 600 Micro & 2600		mm / Inch: 0,03 .0001 · 0,1 .003 · 0,2 .007 · 0,3 .011 · 0,4 .015 · 0,5 .019 · 0,6 .023 · 0,7 .027 · 0,8 .031 · 0,9 .035 · 1,0 .039 · 1,1 .043 · 1,2 .047 · 1,3 .051 · 1,4 .055 · 1,5 .059 · 1,6 .062 · 1,7 .066 · 1,8 .070 · 1,9 .074
 612N 2612N	Semi-flush	
622N 2622N	Flush	
622TX	Flush / Carbide	
632N 2632N	Super Full Flush	
 622NA	Flush	
622NB 2622NB	Flush	
 676E	Flush	
776E	Super Full Flush	
632NCF	Super Full Flush	Only for soft materials: silicone, rubber, etc.
 670E	Flush	
670EP	Flush	
670EPF	Flush	Only for micro pitches under 0.5 mm / .019 Inch

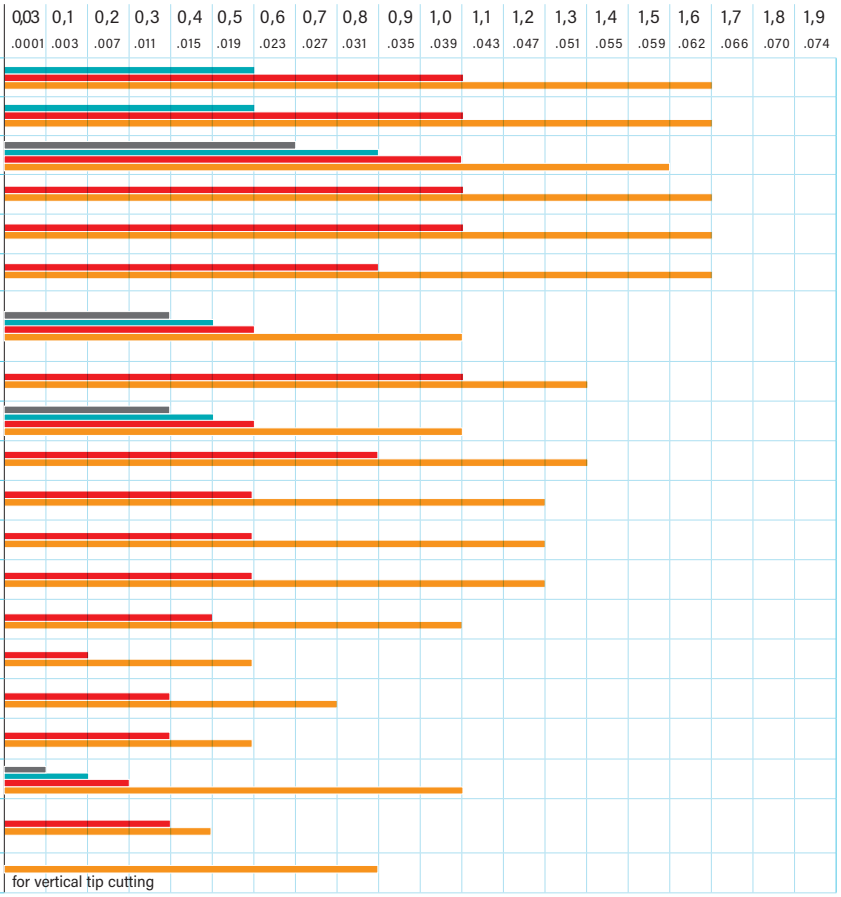
Series 2400 MagicSense

	Type	Type of Cut
	2412E	Semi-flush
	2422E	Flush
	2432E	Super Full Flush
	2477E	Flush
	2403E	Flush
	2404E	Flush
	2482E	Flush
	2475E	Flush
	2470E	Flush
	2476TX2	Flush / Carbide



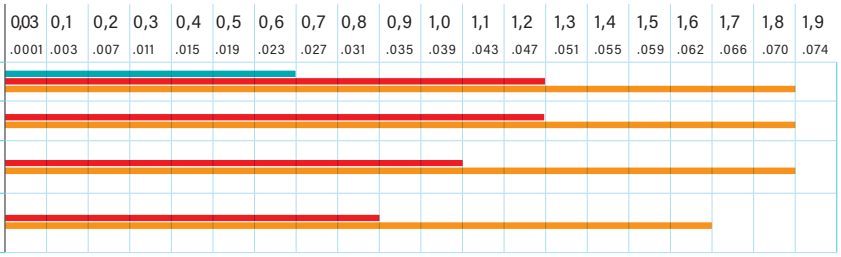
Series 500 Medium

	Type	Type of Cut
	512N	Semi-flush
	512E	Semi-flush
	599T	Semi-flush / Carbide
	522N	Flush
	599E	Flush
	532N	Super Full Flush
	576TX1	Flush / Carbide
	503E	Flush
	503ETST 30°	Flush / Carbide
	503ETST	Flush
	35°	Flush
	555E 40°	Flush
	572E 45°	Flush
	582E 30°	Flush
	45°	Flush
	592E	Flush
	792E	Super Full Flush
	555E	Flush / Carbide
	570E	Flush
	573E	Flush

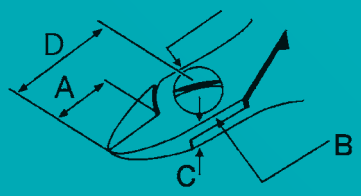


Series 800 Maxi & 2800

	Type	Type of Cut
	812N 2812N	Semi-flush
	822N 2822N	Flush
	886E 2886E	Flush
	884E	Flush



Series 600 Micro



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

Side cutter - oval head

4.331 Inch / 110 mm
1.69 oz. / 48 g

- This is the most widely used head shape.
- Fits for all cutting applications where easy access is given

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
612N	Semi-flush	0.354	9	0.354	9	0.236	6	0.590	15	Ø 0,5	Ø 0,8	Ø 1,3
T622N	Flush	0.354	9	0.354	9	0.236	6	0.590	15	-	Ø 0,8	Ø 1,3
632N	Perfectly flush cut	0.354	9	0.354	9	0.236	6	0.590	15	-	Ø 0,7	Ø 1,3

Side Cutter - tapered head

4.331 Inch / 110 mm
48 g

- The jaws of the cutter have straight edges and taper to a point. This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
622NA	Flush	0.354	9	0.354	9	0.236	6	0.590	15	-	Ø 0,7	Ø 1,0

Side cutter – pointed relieved head

4.331 Inch / 110 mm
1.69 oz. / 48 g

- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Cop-per wire
622NB	Flush	0.354	9	0.39	9.8	0.236	6	0.65	16	-	Ø 0,6	Ø 0,8
676E	Flush	0.354	9	0.354	9	0.236	6	0.590	15	-	Ø 0,6	Ø 0,8
776E	Perfectly flush cut	0.354	9	0.354	9	0.236	6	0.590	15	-	Ø 0,6	Ø 0,8
632NCF	Perfectly flush cut	0.354	9	0.354	9	0.236	6	0.590	15	suitable for precision cuts on soft materials, e.g. small silicone tubes, precision connector seals, miniature rubber seals, soft synthetic parts		

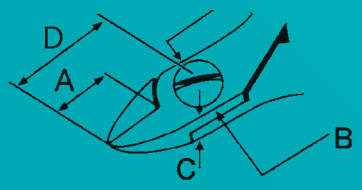
Tip cutter - straight short relieved head

4.331 Inch / 110 mm
1.69 oz. / 48 g

- Suitable for cutting SMD and micro-package contacts.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
670E	Flush	0.118	3	0.354	9	0.236	6	0.709	18	-	Ø 0,5	Ø 0,8
670EP	Flush	0.118	3	0.354	9	0.236	6	0.709	18		Ø 0,5	Ø 0,6
670EPF	Flush	0.118	3	0.354	9	0.236	6	0.709	18	-	Ø 0,4	Ø 0,6

Series 2400 MagicSense



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

Side cutter – oval head

5.118 Inch / 130 mm
2.47 oz. / 70 g

- This is the most widely used head shape.
- Fits for all cutting applications where easy access is given
- It is robust and offers the highest cutting capacity.
- Erem cutters and pliers with ergonomic handle. The ergonomic handle and special materials ensure a soft feel, operating comfort and safety.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
2412E	Semi-flush	0.472	12	0.433	11	0.236	6	0.748	19	Ø 0,5	Ø 1,0	Ø 1,6
2422E	Flush	0.472	12	0.433	11	0.236	6	0.748	19	-	Ø 1,0	Ø 1,6
2432E	Perfectly flush cut	0.472	12	0.433	11	0.236	6	0.748	19	-	Ø 0,8	Ø 1,6

Side cutter - tapered

5 Inch / 127 mm
2.469 oz. / 70 g

- The jaws of the cutter have straight edges and taper to a point. This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter.
- Erem cutters and pliers with ergonomic handle. The ergonomic handle and special materials ensure a soft feel, operating comfort and safety.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
2477E	Flush	0.472	12	0.433	11	0.236	6	0.742	19	-	Ø 1,0	Ø 1,3

Tip cutter - angled wide head

5 Inch / 127 mm
2.469 oz. / 70 g
30°

- The angled head provides for precise cuts at different working angles.
- Erem cutters and pliers with ergonomic handle. The ergonomic handle and special materials ensure a soft feel, operating comfort and safety.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
2403E	Flush	0.354	9	0.433	11	0.236	6	0.748	19	-	Ø 1,0	Ø 1,6
										wide, robust head, fine cut		
2404E	Flush	0.354	9	0.433	11	0.236	6	0.787	20	-	Ø 0,8	Ø 1,3
										pointed rounded head		

Tip cutter - angled narrow head

5.315 Inch / 135 mm
2.539 oz. / 72 g
45°

- The angled head provides for precise cuts at different working angles.
- Erem cutters and pliers with ergonomic handle. The ergonomic handle and special materials ensure a soft feel, operating comfort and safety.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
2482E	Flush	0.236	6	0.433	11	0.236	6	1.02	26	-	Ø 0,6	Ø 1,2
		suitable for working on printed-circuit boards, component connections, can be used in both 90° and 180° applications										
2475E	Flush	0.157	4	0.433	11	0.236	6	0.866	22	-	Ø 0,4	Ø 0,6
		suitable for fine cutting work on hybrid circuits of miniature components										

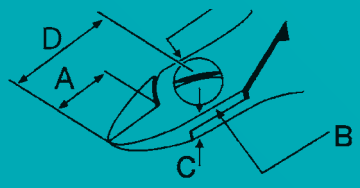
Tip cutter - straight long relieved head

5.512 Inch / 140 mm
2.539 oz. / 72 g

- This head is suitable for horizontal and vertical cuts.
- The long tips facilitate cutting in hard-to-reach areas.
- Erem cutters and pliers with ergonomic handle. The ergonomic handle and special materials ensure a soft feel, operating comfort and safety.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
2470E	Flush	0.157	4	0.433	11	0.236	6	1.142	29	-	Ø 0,4	Ø 0,6

Series 500 Medium



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

Side cutter - oval head

4.528 Inch / 115 mm
2.363 oz. / 67 g

- This is the most widely used head shape.
- Fits for all cutting applications where easy access is given
- It is robust and offers the highest cutting capacity.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
512N	Semi-flush	0.472	12	0.433	11	0.236	6	0.748	19	Ø 0,5	Ø 1,0	Ø 1,6
512E	Semi-flush	0.472	12	0.433	11	0.236	6	0.748	19	Ø 0,5 burnished head	Ø 1,0	Ø 1,6
522N	Flush	0.472	12	0.433	11	0.236	6	0.748	19	-	Ø 1,0	Ø 1,6
599E	Flush	0.472	10	0.433	11	0.236	6	0.669	17	- short, robust head	Ø 1,0	Ø 1,6
532N	Perfectly flush cut	0.472	10	0.433	11	0.236	6	0.748	19	-	Ø 0,8	Ø 1,6

Side cutter - tapered head

4.528 Inch / 115 mm
2.363 oz. / 67 g

- The jaws of the cutter have straight edges and taper to a point. This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
595E	Flush	0.472	12	0.433	11	0.236	6	0.748	19	-	Ø 1,0	Ø 1,3
										tapered head		
577E	Flush	0.472	10	0.433	11	0.236	6	0.669	17	-	Ø 1,0	Ø 1,3
										tapered, short head		

Tip cutter - angled, wide, robust head

4.331 Inch / 110 mm
2.363 oz. / 67 g
30°

- The angled head provides for precise cuts at different working angles.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
503E	Flush	0.354	9	0.433	11	0.236	6	0.748	19	-	Ø 1,0	Ø 1,6
										wide, robust head		
504AE	Flush	0.354	9	0.433	11	0.236	6	0.748	19		Ø 0,8	Ø 1,3
										pointed, rounded head		

Tip cutter - angled narrow head

4.724 Inch / 120 mm
2.399 oz. / 68 g
35°

- The angled head provides for precise cuts at different working angles.
- Narrow, robust head, suitable for working with high cutting force in confined areas.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
555E	Flush	0.236	6	0.433	11	0.256	6	0.945	24	-	Ø 0,6	Ø 1,3

4.528 Inch / 115 mm
2.399 oz. / 68 g
40°

- Relieved cutting edge for easy access.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
572E	Flush	0.236	6	0.433	11	0.236	6	0.827	21	-	Ø 0,6	Ø 1,3

4.528 Inch / 115 mm
2.399 oz. / 68 g
40°

- Suitable for working on printed-circuit boards, component connections, can be used in both 90° and 180° applications

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
582E	Flush	0.236	6	0.433	11	0.236	6	1.024	26	-	Ø 0,6	Ø 1,3

4.528 Inch / 115 mm
2.364 oz. / 67 g
45°

- Suitable for working on printed-circuit boards, component connections, can be used in both 90° and 180° applications.
- With safety device for wire scraps.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
582EW	Flush	0.236	6	0.433	11	0.236	6	1.024	26	-	Ø 0,6	Ø 1,3

4.528 Inch / 115 mm
2.399 oz. / 68 g
30°

- High precision tip cutter, bent.
- Practical rework tool.
- For cutting DIL contacts directly on the component.
- Ideal for densely printed boards.
- Non-reflecting surface
- ESD-safe

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
593AE	Flush	0.157	4	0.433	11	0.236	6	1.024	26		ø 0,4	ø 1,0

4.331 Inch / 110 mm
2.363 oz. / 67 g
45°

- Suitable for fine cutting work on hybrid circuits or miniature components.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
575E	Flush	0.157	4	0.433	11	0.236	6	0.866	22	-	Ø 0,2	Ø 0,6

Side cutter - pointed relieved head

4.528 Inch / 115 mm
2.363 oz. / 67 g

- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
592E	Flush	0.472	12	0.433	11	0.236	6	0.748	19	-	Ø 0,4	Ø 0,8
792E	Perfectly flush cut	0.472	12	0.433	11	0.236	6	0.748	19	-	Ø 0,4	Ø 0,6

Tip cutter - straight long relieved head

4.724 Inch / 120 mm
2.363 oz. / 67 g

- This head is suitable for horizontal and vertical cuts.
- The long tips facilitate cutting in hard-to-reach areas.
- For cutting at extreme tips

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
570E	Flush	0.157	4	0.433	11	0.236	6	1.142	29	-	Ø 0,4	Ø 0,6

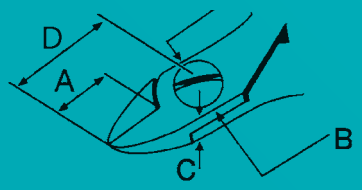
Tip cutter - straight head for vertical use

4.724 Inch / 120 mm
2.363 oz. / 67 g

- Tip cutter for fine wire, Cu 0,8 mm

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
573E	Flush	0.157	4	0.433	11	0.236	6	1.142	29	-	Ø 0,4	Ø 0,8

Series 800 Maxi



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

Side cutter - oval head

4.724 Inch / 120 mm
2.363 oz. / 67 g

- This is the most widely used head shape.
- Fits for all cutting applications where easy access is given
- It is robust and offers the highest cutting capacity.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
812N	Semi-flush	0.590	15	0.531	13.5	0.284	7.2	0.827	21	Ø 0,6	Ø 1,2	Ø 1,8
896E	Semi-flush	0.590	15	0.531	13.5	0.284	7.2	0.827	21	Ø 0,6 for cutting hard wires, Kovar®, connector pins	Ø 1,2	Ø 1,8
822N	Flush	0.590	15	0.531	13.5	0.284	7.2	0.827	21	-	Ø 1,2	Ø 1,8

Side cutter - tapered head

4.724 Inch / 120 mm
2.928 oz. / 83 g

- The jaws of the cutter have straight edges and taper to a point. This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
886E	Flush	0.590	15	0.531	13.5	0.284	7.2	0.827	21	-	Ø 1,0	Ø 1,8

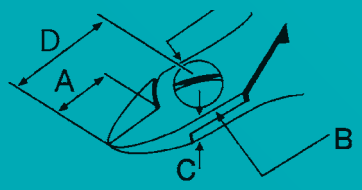
Side cutter - pointed relieved head

4.724 Inch / 120 mm
2.857 oz. / 81 g

- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
884E	Flush	0.590	15	0.531	13.5	0.284	7.2	0.827	21	-	Ø 0,8	Ø 1,6

Tungsten-carbide cutters



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

Side cutter - oval head, Miniature cutter

4.528 Inch / 115 mm
2.36 oz. / 67 g

- This is the most widely used head shape.
- Fits for all cutting applications where easy access is given
- It is robust and offers the highest cutting capacity.

Model	Cut	A		B		C		D		Max. cutting capability in mm			
		Inch		Inch	mm	Inch	mm	Inch	mm	Piano wire	Hard wire	Medium hardness	Copper wire
622TX	Flush	0.315	8	0.354	9	0.236	6	0.590	15	Ø 0,2	Ø 0,4	Ø 0,6	Ø 1,2
											miniature cutter		
599T	Semi-flush	0.472	12	0.433	11	0.236	6	0.748	19	Ø 0,6	Ø 0,8	Ø 1,0	Ø 1,5
599TF	Flush	0.472	12	0.433	11	0.236	6	0.748	19	Ø 0,6	Ø 0,8	Ø 1,0	Ø 1,5

Side cutter - tapered head

4.528 Inch / 115 mm

2.36 oz. / 67 g

- The jaws of the cutter have straight edges and taper to a point. This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter.

Model	Cut	A		B		C		D		Max. cutting capability in mm			
		Inch		Inch	mm	Inch	mm	Inch	mm	Piano wire	Hard wire	Medium hardness	Copper wire
595T	Semi-flush	0.472	12	0.433	11	0.236	6	0.748	19	Ø 0,4	Ø 0,6	Ø 0,8	Ø 1,5
595TF	Flush	0.472	12	0.433	11	0.256	6	0.748	19	Ø 0,4	Ø 0,6	Ø 0,8	Ø 1,5
2476TX1	Flush	0.433	11	0.433	11	0.236	6	0.011	19	Ø 0,3	Ø 0,4	Ø 0,5	Ø 1,0
576TX1	Flush	0.433	11	0.433	11	0.236	6	0.011	19	Ø 0,3	Ø 0,4	Ø 0,5	Ø 1,0

Tip cutter - pointed relieved head

4.528 Inch / 115 mm

67 g

- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas.

Model	Cut	A		B		C		D		Max. cutting capability in mm			
		Inch		Inch	mm	Inch	mm	Inch	mm	Piano wire	Hard wire	Medium hardness	Copper wire
576TX	Flush	0.433	11	0.433	11	0.236	6	0.748	19	Ø 0,1	Ø 0,2	Ø 0,3	Ø 1,0

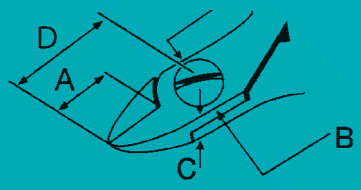
Tip cutter - angled wide head

4.331 Inch / 110 mm
2.36 oz. / 67 g
30°

- The angled head provides for precise cuts at different working angles.

Model	Cut	A		B		C		D		Max. cutting capability in mm			
		Inch		Inch	mm	Inch	mm	Inch	mm	Piano wire	Hard wire	Medium hardness	Copper wire
503ET	Semi-flush	0.354	9	0.433	11	0.236	6	0.748	19	Ø 0,4	Ø 0,6	Ø 0,8	Ø 1,2
503ETF	Flush	0.354	9	0.433	11	0.236	6	0.787	20	Ø 0,4	Ø 0,6	Ø 0,8	Ø 1,2

Special applications



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

Special applications: hard wires

5.394 Inch / 137 mm
3.527 oz. / 100 g

- Side cutter with compound action.
- For cutting hard wires with minimal effort

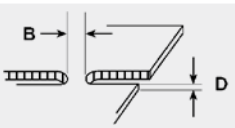
Model	Cut	A		B		C		Max. cutting capacity in mm	
		Inch	mm	Inch	mm	Inch	mm	Copper wire	
E147A	Semi-flush	0.472	12	0.413	10.5	0.284	7.2	Ø 1,8	for cutting hard wires with minimal effort
E147B	Semi-flush	0.472	12	0.413	10.5	0.295	7.5	Ø 1,8	for cutting hard wires with minimal effort
E147AT	Semi-flush	0.472	12	0.413	10.5	0.295	7.5	Ø 1,8	for cutting hard wires with minimal effort

Special applications: cutting printed-circuit boards

4.528 Inch / 115 mm
2.787 oz. / 79 g

- Side cutter, suitable for cutting printed-circuit boards

Model		D max.		B max.	
		Inch	mm	Inch	mm
884EPCM	Flush	0.0591	1.5	0.078	2.0



Special applications: Kevlar® silks

4.528 Inch / 115 mm

2.36 oz. / 67 g

- Side cutter, suitable for cutting Kevlar® silks.
- Avoid any other application than cutting kevlar silks to not damage the tool

Model	Cut	A		B		C		D	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm
599F0		0.472	12	0.433	11	0.24	6	0.748	19

Special applications: Special tool steel

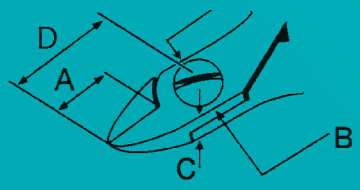
4.528 Inch / 115 mm

2.36 oz. / 67 g

- Side cutter for cutting Kevlar® silks, Vectran™-sheated wires, optical fibres and small stainless wires.
- Side cutter with cutting edges made from tungsten carbide.

Model	Cut	A		B		C		D	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm
599TF0	Semi-flush	0.472	12	0.43	11	0.24	6	0.748	19

Pneumatic side cutter and tip cutter



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

Pneumatic side cutter and tip cutter

5.118 Inch / 130 mm
4.59 oz. / 130 g

- Pneumatic cutter
- Handy, light and precise
- Extremely versatile thanks to a selection of different cutting heads
- Easily interchangeable cutting heads
- Suitable for cutting conventional components, soft metals or small plastic parts
- Pneumatic-cutter housing

Model	Diameter		
	Inch	mm	
1500BSF	1.102	28	requires 4- 6 bar oil-free clean compressed air

Side cutter - oval head for 1500BSF

1.16 oz. / 35 g

- This is the standard head shape.
- It is used for all cutting jobs in easy-to-reach areas.
- The oval head provides for a high cutting capacity and is characterised by its robustness.

Model	Cut	A		B		C		Max. cutting capacity in mm
		Inch	mm	Inch	mm	Inch	mm	Copper wire
1512N	Semi-flush	0.394	10	0.413	10.5	0.24	6	Ø 1,6
1522N	Flush	0.394	10	0.413	10.5	0.24	6	Ø 1,6

Side cutters - tapered head cutting head for 1500 BSF

1.16 oz. / 35 g

- The edges of the cutter head are straight and taper to a point, allowing access to hard to reach area.

Model	Cut	A		B		C		Max. cutting capacity in mm
		Inch	mm	Inch	mm	Inch	mm	Copper wire
1522NA	Flush	0.354	9	0.413	10.5	0.24	6	Ø 1,4

Pointed relieved head for 1500 BSF

1.12 oz. / 32 g

- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas.

Model	Cut	A		B		C		Max. cutting capacity in mm
		Inch	mm	Inch	mm	Inch	mm	Copper wire
1522NB	Flush	0.354	9	0.413	10.5	0.24	6	Ø 1,2

Cutting head for 1500 BSF - tip cutter - angled head

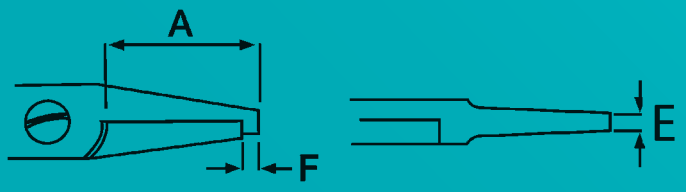
1.34 oz. / 38 g

30°

- The angled head provides for precise cuts at different working angles.

Model	Cut	A		B		C		Max. cutting capacity in mm
		Inch	mm	Inch	mm	Inch	mm	Copper wire
1503E	Flush	0.472	12	0.413	10.5	0.24	6	Ø 1,2

Distance cutter



A = Jaw length
E = Width of tips
F = Cutting length

Distance cutter - fixed cutting length

Distance cutter copper wire to a length of 1.5 mm/.059 Inch

4.724 Inch / 120 mm
2.36 oz. / 67 g

- Special tool steel
- ESD-safe
- Fixed cutting length
- Reduces mechanical shock on components

Model	Cut	A		E		F		Max. cutting capacity in mm	
		Inch	mm	Inch	mm	Inch	mm	Copper wire	
530E15	Flush	0.787	20	0.118	3	0.059	1.5	Ø 1,2	cuts copper wire to a length of 1,5 mm / 0,059 Inch
530E13	Flush	0.787	20	0.118	3	0.051	1.3	Ø 1,2	cuts copper wire to a length of 1,3 mm / 0,051 Inch
530E08	Flush	0.787	20	0.118	3	0.031	0.8	Ø 1,2	cuts copper wire to a length of 0,8 mm / 0,031 Inch
530E06	Flush	0.787	20	0.118	3	0.023	0.6	Ø 1,2	cuts copper wire to a length of 0,6 mm / 0,023 Inch
530EREC	Flush	0.787	20	0.118	3	0.051	1.3	Ø 1,2	cuts copper wire to a length of 1,3 mm / 0,051 Inch

Distance cutter

Distance cutter, cuts wire to a length of 1.5 mm/.059 Inch

4.724 Inch / 120 mm
2.36 oz. / 67 g
45°

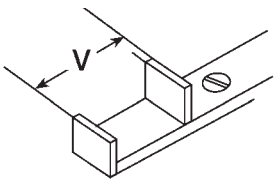
- Special tool steel
- ESD-safe
- Fixed length distance cutter
- Tapered 45°

Model	Cut	A		E		F		Max. cutting capacity in mm
		Inch	mm	Inch	mm	Inch	mm	Copper wire
549E	Flush	0.787	20	0.118	3	0.059	1.5	Ø 1,2
549E10	Flush	0.787	20	0.118	3	0.039	1	Ø 1,2
549E12	Flush	0.787	20	0.118	3	0.047	1.2	Ø 1,2

Distance cutter, variable cutting length

Distance cutter, variable cutting length from 1.2 mm to 6 mm/ 047 to .236 Inch

4.724 Inch / 120 mm
2.47 oz. / 70 g



- Special tool steel
- ESD-safe
- Variable cutting length (= V)
- With protective stop screw

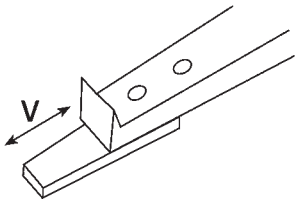
Model	Cut	A		E		V		
		Inch	mm	Inch	mm	Inch	mm	Copper wire
530E15A	Flush	0.787	20	0.177	4.5	0,047 - 0,236	1,2 - 6	Ø 1.2

Distance cutter - variable cutting length

Distance cutter with variable cutting length from 0 mm to 5 mm/ 0 to .197 Inch

4.528 Inch / 115 mm

2.47 oz. / 70 g



- Special tool steel
- ESD-safe
- Variable cutting length (= V)
- With protective stop screw
- Interchangeable plastic stop protects the printed-circuit board against damage

Model	Cut	A		E		V		
		Inch	mm	Inch	mm	Inch	mm	Copper wire
573EB	Flush	0.787	20	0.177	4.5	0 - 0,197	0 - 5	Ø 0.8

Pliers

GET AN ACCURATE AND SURE GRIP ON EVERYTHING

Internal patented Erem Magic Spring

The Magic Spring system used in Erem precision tools is unique. It is integral to the cutting head and provides a constant closing and re-opening force.

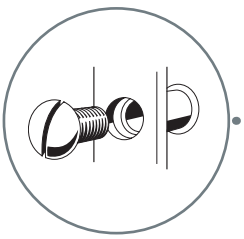
It is highly reliable, makes the tools easy to use and reduces operator fatigue.

- Reduce costs thanks to long life
- Constant spring force
- Guarantees more than 1 million operations

High-precision screw joint

This self-locking screw joint system gives a smooth cutting and opening action and ensures that there is no blade overlap or play.

- Smooth jaw action with no play
- No damaging of sensitive components



Precision-ground jaws

The very precisely worked tips get a firm and sure grip on even the thinnest of parts.

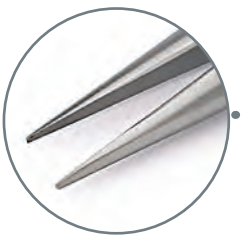
The choice of high-quality materials and meticulous tempering are especially important during the manufacturing of these tweezers.

- Ground with the greatest precision

Special tool steel

Erem electronics tools are made from bright steel. They are not drop forged. The special tool steel is made using a unique Swiss processing technique.

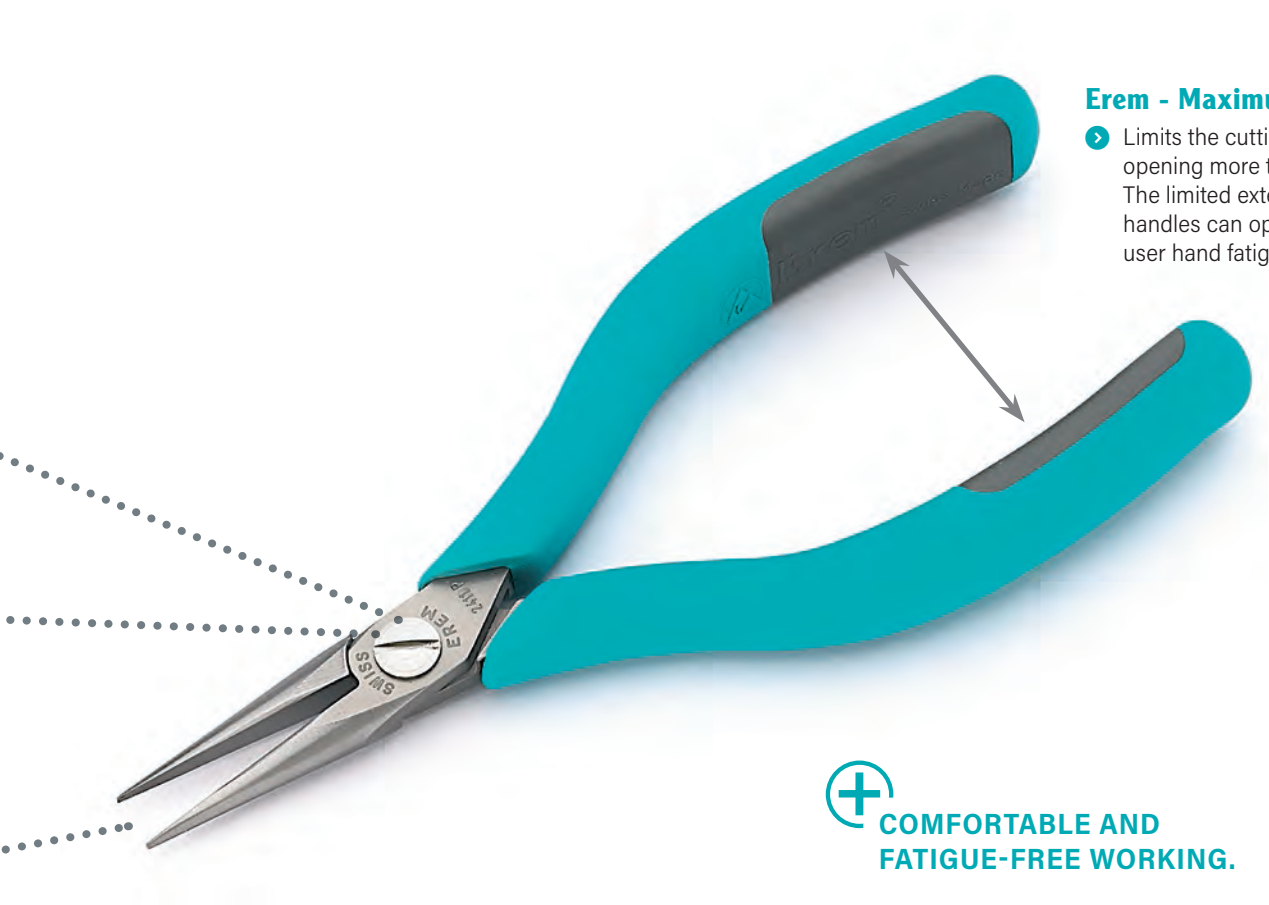
- The bright tool steel gives additional strength and toughness to the tools to promote a long service life.



WIDE VARIETY OF HEAD SHAPES

Ergonomically shaped handles

- For high comfort, better grip and added safety



Erem - Maximum Opening Stop

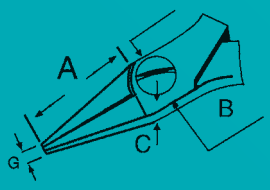
- Limits the cutting-edge tips from opening more than 5 mm/.197 Inch. The limited extent to which the handles can open prevents user hand fatigue.

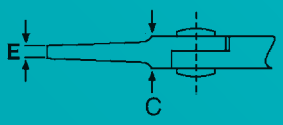
COMFORTABLE AND FATIGUE-FREE WORKING.

ESD-safe

The interchangeable foam-cushion handles are ESD-safe and are fitted as standard on all Erem cutters and pliers.

Series 500 Medium





A = Jaw length
B = Head width
C = head thickness
E = Width of tips
G = Total height of both tips

Round nose pliers

Round nose pliers with very precise, smooth jaws.

4.724 Inch / 120 mm
2.89 / 62 g

- Pliers for miniature and standard electronics
- Non-reflecting surface, ESD-safe
- Suitable for forming, bending, laying and feeding in wires.
- High grade tool steel

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
543E		0.91	23	0.43	11	0.24	6	0.031	Ø 0,8	0.063	1.6
546E				0.43	11	0.236	6.0		-	0.039	1.0

Needle nose pliers

Needle nose pliers with very precise, smooth and rounded jaws.

4.724 Inch / 120 mm
2.19 / 62 g

- Pliers for miniature and standard electronics
- Non-reflecting surface, ESD-safe, high grade tool steel
- Suitable for forming, bending, laying and feeding in wires.

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
547		0.91	23	0.43	11	0.24	6	0.035	0.9	0.047	1.2

Flat nose pliers

Flat nose pliers with smooth jaws and precision-machined edges.

4.724 Inch / 120 mm
2.36 / 67 g

- Pliers for miniature and standard electronics
- Non-reflecting surface, ESD-safe, high grade tool steel
- Suitable for gripping flat workpieces.

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
542E		0.91	23	0.43	11	0.24	6	0.055	1.4	0.055	1.4

Flat nose pliers with replaceable nylon jaws.

4.921 Inch / 125 mm
2.36 / 67 g

- Pliers for miniature and standard electronics
- Non-reflecting surface, ESD-safe, high grade tool steel
- Nylon jaws prevent nicking and scratching.
- Suitable for forming precious metals and component connections.

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
531E		0.91	23	0.43	11	0.24	6	0.2	5	0.12	3

Chain nose pliers

Chain nose pliers with narrow half-round jaws.

4.724 Inch / 120 mm
2.36 / 67 g

- Pliers for miniature and standard electronics
- Non-reflecting surface, ESD-safe, high grade tool steel
- For securely handling components.

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
544E		0.91	23	0.43	11	0.24	6	0.039	1	0.055	1.4

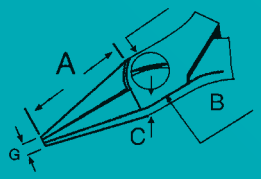
Chain nose pliers with inside-serrated jaws for secure handling

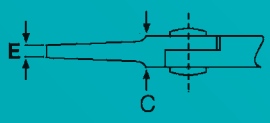
4.724 Inch / 120 mm
2.64 / 67 g

- Pliers for miniature and standard electronics
- Non-reflecting surface, ESD-safe, high grade tool steel

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
544D		0.91	23	0.35	9	0.26	6.5	0.039	1	0.055	1.4

Series 2400 MagicSense





A = Jaw length
B = Head width
C = head thickness
E = Width of tips
G = Total height of both tips

Needle nose pliers

Needle nose pliers with very precise, smooth and rounded jaws.

5.748 Inch / 146 mm
2.54 / 72 g

- Pliers for miniature and standard electronics
- Optimized ergonomically shaped handles for increased comfort
- Non-reflecting surface, ESD-safe

Model	Shape	A		B		C		E		G		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	
2411P		1.32	33.5	0.43	11	0.24	6	0.039	1	0.047	1.2	Smooth jaws
2411PD		1.32	33.5	0.43	11	0.24	6	0.039	1	0.047	1.2	Inside serrated jaws for better grip

Flat nose pliers

Flat nose pliers with smooth jaws and precision-machined edges.

5.748 Inch / 146 mm
2.54 / 72 g

- Pliers for miniature and standard electronics
- Optimized ergonomically shaped handles for increased comfort
- Non-reflecting surface, ESD-safe
- Suitable for gripping flat workpieces.

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
2442P		1.32	33.5	0.43	11	0.24	6	0.13	3.4	0.047	1.2

Round nose pliers

Round nose pliers with very precise, smooth jaws

5.748 Inch / 146 mm
2.54 / 72 g

- Pliers for miniature and standard electronics
- Optimized ergonomically shaped handles for increased comfort
- Non-reflecting surface, ESD-safe
- Suitable for bending wires.

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
2443P		1.319	33.5	0.43	11	0.24	6	0.031	0.8	0.063	1.6

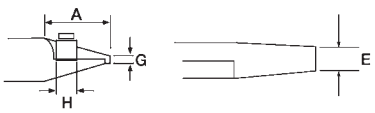
Stripping pliers

High precision stripping pliers

Pliers for front stripping 0.25 mm – 1.02 mm .010 Inch – .040 Inch (AWG 30 – 18)

4.724 Inch / 120 mm

2.65 / 75 g

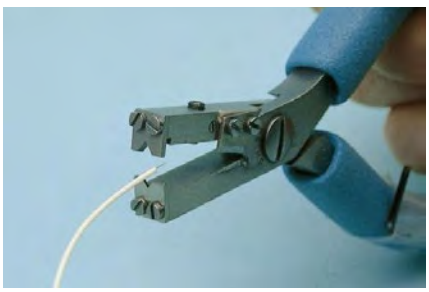


A = jaw length
E = Width of tips
G = Total height of both tips
H = Length of cutting blade

- Robust, high-precision tools for use in electronics and aeronautical engineering
- The required diameter is set by means of screws
- ESD-safe
- Suitable for all types of insulation and optical fibres.
- Interchangeable side cutting blade.

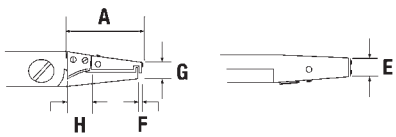
Model	A		E		G		H		Wire diameter	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
510AE	0.83	21	0.20	5	0.16	4	0.35	9	0,010 - 0,040	0,25 - 1,02

Pliers for front stripping 0.06 mm – 0.6 mm .002 Inch – .023 Inch (AWG 42 – 24)



4.724 Inch / 120 mm

2.82 / 80 g

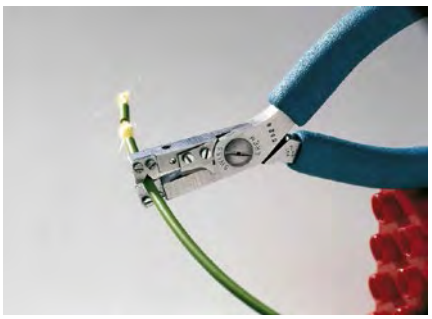


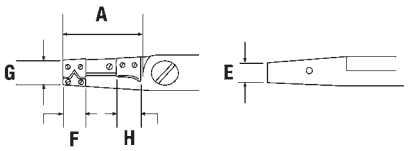
A = Jaw length
E = Width of tips
F = Depth of interchangeable blade
G = Total height of both tips
H = Length of cutting blade

- Robust, high-precision tools for use in electronics and aeronautical engineering
- The required diameter is set by means of screws
- Screwdriver and key are included
- Interchangeable blades
- ESD-safe
- Unique precision for damage-free stripping of fine wires.
- Suitable for all types of insulation, Teflon®, Tefzel and optical fibres.

Model	A		E		F		G		H		Wire diameter	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
552E	0.91	23	0.24	6	0.39	1	0.43	11	0.35	9	0,002 - 0,023	0,06 - 0,6

Side stripping 0.06 mm – 0.6 mm .002 Inch – .023 Inch (AWG 42 – 24)





A = Jaw length
E = Width of tips
F = Depth of interchangeable blade
G = Total height of both tips
H = Length of cutting blade

- Robust, high-precision tools for use in electronics and aeronautical engineering
- The required diameter is set by means of screws
- Screwdriver and key are included
- Interchangeable blades
- ESD-safe
- Unique precision for damage-free stripping of fine wires.
- Suitable for all types of insulation, Teflon®, Tefzel and optical fibres.
- Unlimited stripping length thanks to side stripping
- Suitable for simple and precise stripping of optical fibres
- Non-reflecting surface

4.724 Inch / 120 mm

2.82 / 80 g

Model	A		E		F		G		H		Wire diameter	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
552S	0.82	21	0.24	6	0.24	6	0.43	11	0.354	9	0.002 - 0.024	0,06 - 0,6

Forming pliers

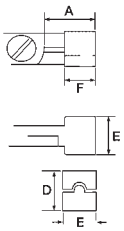
Forming pliers for passive components

Forming pliers for component connection, U-shape.

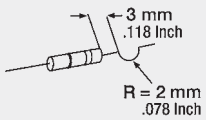
4.724 Inch / 120 mm

2.47 / 70 g

- Safe bending, forming and preparation of component connections
- Non-reflecting surface
- ESD-safe



A = Jaw length
D = Height of tips
E = Width of tips
F = Length of forming

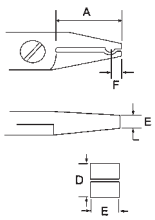
Model		A		D		E		F		Diodes		Capacitors		Resistors
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	
554E		0.513	13	0.394	10	0.394	10	0.394	10	0.025	0.65	0.027	0.7	1/2 W

Forming pliers for component connections, U-shape, axial forming.

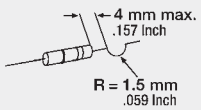
4.724 Inch / 120 mm

2.47 / 70 g

- Suitable for component connections, U-shape, axial forming
- Narrow head shape.
- ESD-safe



A = Jaw length
D = Height of tips
E = Width of tips
F = Length of forming

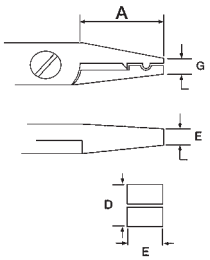
Model		A		D		E		F		Diodes		Capacitors		resistors
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	
554A		0.905	23	0.25	6.4	0.158	4	0.16	4	0.025	0.65	0.027	0.7	1/2 W

Forming pliers for cutting and bending components

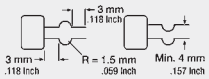
4.724 Inch / 120 mm

2.47 / 67 g

- Safe bending, forming and preparation of component connections
- Non-reflecting surface
- ESD-safe



A = Jaw length
D = Height of tips
E = Width of tips
F = Length of forming

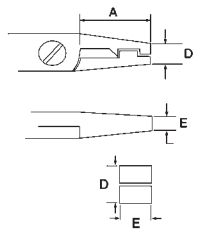
Model		A		D		E		F		Diodes		Capacitors		resistors
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	
50788		0.905	23	0.27	6.9	0.17	4.2			0.025	0.65	0.027	0.7	1/2 W

Forming pliers for cutting and bending

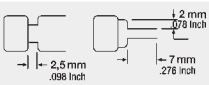
4.724 Inch / 120 mm

2.36 / 67 g

- Safe bending, forming and preparation of component connections
- Non-reflecting surface
- ESD-safe



A = Jaw length
D = Height of tips
E = Width of tips
F = Length of forming

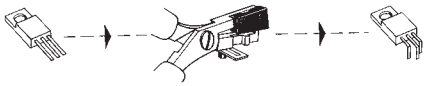
Model		A		D		E		F		Diodes		Capacitors		resistors
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	
50789Z		0.905	23	0.130	3.3	0.17	4.2			0.25	0.65	0.027	0.7	1/2 W

Forming plier for bending flat components

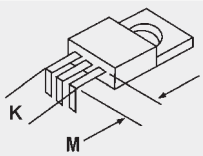
Forming plier for bending flat components, contacts, power transistors, Triac connections to a right angle.

4.724 Inch / 120 mm

3.00 / 85 g



- Safe bending, forming and preparation of component connections, specially for integrated components and power transistors
- Non-reflecting surface
- ESD-safe

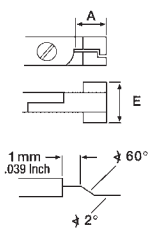
Model	K max.		M	
	Inch	mm	Inch	mm
500103A 	0.590	15	0.12 - 0.47	3 - 12

High precision forming pliers for Flat Packs, Quads

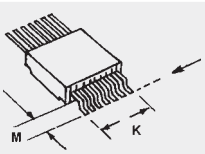
Forming plier for bending flat components, contacts, power transistors, Triac connections to a right angle.

4.724 Inch / 120 mm

3.53 / 100 g



- Safe bending, forming and preparation of component connections, specially for integrated components and power transistors
- Non-reflecting surface
- ESD-safe

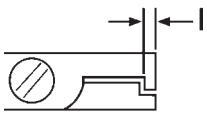
Model	K max.		M		A	
	Inch	mm	Inch	mm	Inch	mm
80013C 	0.512	13	0.110	2.8	0.669	17

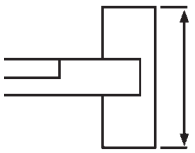
High precision forming pliers for DIL pins

Forming plier for cutting and bending DIL pins through 90° in one operation.

4.724 Inch / 120 mm

3.46 / 98 g





- Safe bending, forming and preparation of component connections, specially for integrated components and power transistors
- Non-reflecting surface
- ESD-safe
- Up to max. 20 DIL pins.

Model		E		F	
	Inch	mm	Inch	mm	
809IC			0.984	25	0.035	0.9

Tweezers

EREM MANUFACTURES A WIDE RANGE OF TWEEZERS.

ESD-safe

All tweezers with soft-grip are ESD-safe.

ERGONOMICALLY SHAPED HANDLES

- Ergonomically shaped handles reduce Carpal Tunnel Syndrome (CTS) and early hand fatigue
- Two-color, thermally insulated soft-grip handles made from soft foam material ensure high user comfort
- Manufactured from non-magnetic, acid-proof and stainless steel alloy

Pyroplast coating
The Pyroplast coating is not available on all Erem tweezers. It is made to order and requires a minimum order quantity.

Hardened steel

Tweezers made from hardened steel are typified by their particularly hard tips, which ensure great durability.
The tweezers are magnetic and the material may rust.

Titanium

Titanium tweezers are light weight and resistant to high temperatures.

Stainless steel

Tweezers made from stainless steel have robust tips and do not rust. The material is less hard than hardened steel.

Erem Special stainless steel

This alloy is non-magnetic. The tweezers do not rust and are acid-proof and heat-resistant up to 300°C (512°F).

POINTED TIPS
for precision work

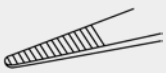
LARGE SELECTION
of matching SMD tweezers and cutting tweezers for individual applications

Precision tweezers

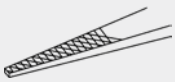
Precision tweezers: Pointed tips straight

- For applications in microelectronics, jewelrymaking, watchmaking, medicine and laboratory technology
- Suitable for delicate standard applications and precision work on small components or wires
- For all models with the suffix SA or SASL in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant
- For all models with the suffix S in the order number: Stainless steel, robust tips, non-rusting, non-reflecting surface

3.150 Inch / 80 mm	Model	Weight oz.	Weight g	Material	Description
	**M5S**	0.21	6	Stainless steel	Micro-tweezers, very pointed tips, e.g. for precision work under a microscope.

4.252 Inch / 108 mm	Model	Weight oz.	Weight g	Material	Description
	**ACSA**	0.56	16	Special stainless steel	Precision tweezers with serrated finger grips for secure handling. For precise bending and holding of components or wires.
	**20AS** 	0.42	12	Special stainless steel	Precision tweezers with serrated finger grips and inside-serrated tips for secure handling. Guide pin to avoid overlapping of tips. For precise bending and holding of components or wires.

4.331 Inch / 110 mm	Model	Weight oz.	Weight g	Material	Description
	**3CSA**	0.39	11	Special stainless steel	Precision tweezers, standard model for delicate work.
	**3CSASL**	0.39	11	Special stainless steel	Precision tweezers, standard model for delicate work. Same as 3CSA, but economy model.
	**53CSA** 	0.39	11	Special stainless steel	Precision tweezers with anti-crush feature.Prevents damage to sensitive components. Tweezers relieved at front for secure handling.

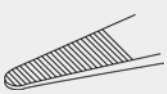
4.724 Inch / 120 mm	Model	Weight oz.	Weight g	Material	Description
	**3SASL**	0.49	14	Special stainless steel	Precision tweezers with pointed tips for work in microelectronics. Same as 3SA, but economy model.
	**00BSA** 	0.71	20	Special stainless steel	Precision tweezers with pointed tips. Very robust. Suitable for standard applications, e.g. for assembly in electronics. Model same as OOSA, but with serrated finger grips for secure handling.
	**00CSA**	0.64	18	Special stainless steel	Precision tweezers with pointed tips. Very robust. Suitable for standard applications, e.g. for assembly in electronics. Model same as OOSA, but with shorter tips.
	**3SA**	0.49	14	Special stainless steel	Precision tweezers with pointed tips for work in microelectronics.
	**00DSA**	0.71	20	Special stainless steel	Precision tweezers with pointed tips. Very robust. Suitable for standard applications, e.g. for assembly in electronics. Model same as OOSA, but with serrated finger grips and inside-serrated tips for secure handling.
	**00SASL**	0.39	20	Special stainless steel	Precision tweezers with pointed tips. Very robust. Suitable for standard applications, e.g. for assembly in electronics. Same as OOSA, but economy model.
	**00SA**	0.71	20	Special stainless steel	Precision tweezers with pointed tips. Very robust. Suitable for standard applications, e.g. for assembly in electronics.
	**1SASL**	0.49	14	Special stainless steel	Precision tweezers with pointed tips for standard applications. Same as 1SA, but economy model.
	**1SA**	0.49	14	Special stainless steel	Precision tweezers with pointed tips for standard applications.
	**AAZ**	0.56	16	Stainless steel, nickel-plated	Precision tweezers with medium-pointed tips, nickel-plated. Suitable for electronic assembly tasks.

4.921 Inch / 125 mm	Model	Weight oz.	Weight g	Material	Description
	**AAS**	0.56	16	Stainless steel	Precision tweezers with fine but robust tips.
	**AASA**	0.56	16	Special stainless steel	Precision tweezers with fine but robust tips for standard applications.
	**AASASL**	0.56	16	Special stainless steel	Precision tweezers with fine but robust tips for standard applications. Same as AASA, but economy model.
	**AM**	0.60	17	Brass	Precision tweezers made from brass.

5.118 Inch / 130 mm	Model	Weight oz.	Weight g	Material	Description
	**249SA**	0.71	20	Special stainless steel, pointed synthetic tips (PPS)	Precision tweezers with pointed synthetic tips (PPS) and serrated finger grips for secure handling. Volume resistance 16 Ω/cm. Heat-resistant up to 250 °C (480 °F). Resistant to acids and molten soldering tin. Water-repellent.
	**249CER**	0.84	24	Special stainless steel, ceramic tips	Precision tweezers with ceramic tips and serrated finger grips for secure handling.

5.512 Inch / 140 mm	Model	Weight oz.	Weight g	Material	Description
	**RRS**	1.05	30	Stainless steel	Precision tweezers with strong tips for heavy-duty applications.
	**SSSA**	0.39	11	Special stainless steel	Precision tweezers with long, narrow grips and low tension, responds to minimal pressure. The long grips allow precision work close to heat sources.

5.906 Inch / 150 mm	Model	Weight oz.	Weight g	Material	Description
	**29SA**	0.92	26	Special stainless steel	Reverse-action tweezers with wide, rounded tips. For holding parts by reverse clamping action. Insulated handles, e.g. for protecting against heat.

6.299 Inch / 160 mm	Model	Weight oz.	Weight g	Material	Description
	**21SA** 	0.81	23	Special stainless steel	Precision tweezers with medium-pointed tips and serrated finger grips and inside-serrated tips for secure handling. Very robust. The long grips allow precision work close to heat sources.

Precision tweezers: Pointed tips straight relieved

- For precision work e.g. under a microscope
- Relieved shape facilitates excellent access to the most confined spaces
- For all models with the suffix SA or SASL in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant
- For all models with the suffix S in the order number: Stainless steel, robust tips, non-rusting, non-reflecting surface

3.543 Inch / 90 mm

	Model	Weight oz.	Weight g	Material	Description
	**M4AS**	0.32	9	Stainless steel	Micro-tweezers, very pointed tips, e.g. for working under a microscope.

4.331 Inch / 110 mm

	Model	Weight oz.	Weight g	Material	Description
	**4SA**	0.45	13	Special stainless steel	Precision tweezers with very pointed tips.
	**4SASL**	0.46	13	Special stainless steel	Precision tweezers with very pointed tips. Same as 4SA, but economy model.

4.528 Inch / 115 mm

	Model	Weight oz.	Weight g	Material	Description
	**5MBS**	0.42	12	stainless steel	Precision tweezers with extremely pointed tips (~ 0.03 x 0.07 mm/.002 Inch) for use in dissection procedures and working under a microscope. For use on soft materials only.
	**5FSA**	0.42	12	Stainless steel	Precision tweezers with extremely pointed tips (~ 0.05 x 0.1 mm/.003 Inch) for use in dissection procedures and working under a microscope. For use on soft materials only.
	**5SA**	0.42	12	Special stainless steel	Precision tweezers with very pointed tips, suitable for very fine wires.
	**5SASL**	0.42	12	Special stainless steel	Precision tweezers with very pointed tips, suitable for very fine wires. Same as 5SA, but economy model.
	**2SA**	0.56	16	Special stainless steel	Precision tweezers with medium-pointed tips.
	**2SASL**	0.56	16	Special stainless steel	Precision tweezers with medium-pointed tips. Same as 2SA, but economy model.

4.724 Inch / 120 mm

	Model	Weight oz.	Weight g	Material	Description
	**258SA**	0.53	15	Special stainless steel, synthetics tips (PPS)	Precision tweezers with pointed synthetic tips (PPS) and serrated finger grips for secure handling. Volume resistance 16 Ω/cm. Heat-resistant up to 250 °C (480 °F). Resistant to acids and molten soldering tin. Water-repellent.

Precision tweezers: Pointed tips bent

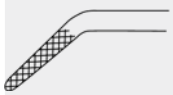
- For applications in biology, medicine, laboratory technology and microelectronics
- Bent shape facilitates access to confined spaces
- For all models with the suffix SA or SASL in the order number: Special stainless steel, nonmagnetic, non-rusting, acid-proof, heat-resistant

4.331 Inch / 110 mm	Model	Weight		Material	Description
		oz.	g		
	**3CBS**	0.53	11	Stainless steel	Precision tweezers, curved 40°, with pointed tips, for precision work such as assembly on printed-circuit boards.

115 mm	Model	Weight		Material	Description
		oz.	g		
	**5CSA**	0.42	12	Special stainless steel	Precision tweezers, curved 30°, relieved. Pointed tips. Relieved shape at front of handle provides excellent visibility of the area to be worked on.
	**5BSA**	0.42	12	Special stainless steel	Precision tweezers, curved 30°, relieved. Pointed tips. Relieved shape at front of handle provides excellent visibility of the area to be worked on.
	**51SA**	0.42	12	Special stainless steel	Precision tweezers, curved 30°, relieved. Very pointed tips. Relieved shape at front of handle provides excellent visibility of the area to be worked on.
	**51SASL**	0.42	12	Special stainless steel	Precision tweezers, curved 30°, relieved. Very pointed tips. Relieved shape at front of handle provides excellent visibility of the area to be worked on. Same as 51SA, but economy model.
	**5ASA**	0.42	12	Special stainless steel	Precision tweezers, lightly curved 15°, relieved. Very pointed tips, e.g. for installing small components.
	**5ASASL**	0.42	12	Special stainless steel	Precision tweezers, lightly curved 15°, relieved. Very pointed tips, e.g. for installing small components. Same as 5ASA, but economy model.

120 mm	Model	Weight oz.	Weight g	Material	Description
	**7SA**	0.53	15	Special stainless steel	Precision tweezers, curved, relieved, with pointed tips. Excellent handling in confined spaces.
	**7SASL**	0.53	15	Special stainless steel	Precision tweezers, curved, relieved, with pointed tips. Excellent handling in confined spaces. Same as 7SA, but economy model.

5.512 Inch / 140 mm	Model	Weight oz.	Weight g	Material	Description
	**65ASA**	0.39	11	Special stainless steel	Precision tweezers, curved 50°. Very pointed tips. For working with extra-small chips and other miniature components.

5.906 Inch / 150 mm	Model	Weight oz.	Weight g	Material	Description
 	**24SA**	0.78	22	Special stainless steel	Precision tweezers, curved 40°, with robust pointed tips. Serrated finger grips and inside-serrated tips for secure handling. Guide pin to avoid overlapping of tips. Ideally suitable for soldering and assembly jobs.
	**30SA**	0.92	26	Special stainless steel	Reverse-action tweezers, curved 50°, with robust pointed tips. Fibreglass handles for protection against heat. Reverse clamping action for comfortably holding parts. Particularly suitable for soldering and assembly jobs.

Precision tweezers: Flat round tips straight

- Suitable for all standard gripping applications and assembly jobs on printed-circuit boards, e.g. in the goldsmith and jewelry industries
- For all models with the suffix SA or SASL in the order number: Special stainless steel, nonmagnetic, non-rusting, acid-proof, heat-resistant

4.724 Inch / 120 mm	Model	Weight		Material	Description
		oz.	g		
	**2ASA**	0.53	15	Special stainless steel	Precision tweezers with flat rounded tips for gripping components. Tip width 2 mm/.078 Inch.
	**2ASASL**	0.53	15	Special stainless steel	Precision tweezers with flat rounded tips for gripping components. Tip width 2 mm/.078 Inch. Same as 2ASA, but economy model.
	**2ASASLT**	0.53	16	Special stainless steel	Precision tweezers with flat rounded tips for gripping components. Tip width 2 mm/.078 Inch. Same as 2ASA, but with Teflon®-coated tips for non-stick holding of self-adhesive parts.
	**2ASARU**	0.53	16	Special stainless steel	Precision tweezers with flat rounded tips for gripping components. Tip width 2 mm/.078 Inch. Same as 2ASA, but with coated tips for non-stick holding of self-adhesive parts.
	**52ASA** 	0.53	15	Special stainless steel	Precision tweezers with pointed, rounded and flexibly movable tips. Prevents damage to sensitive components.
	**25SA**	0.53	15	Special stainless steel	Precision tweezers with flat, round tips slightly wider than the 2ASARU model. Serrated finger grips for secure handling. For standard gripping jobs.

Precision tweezers with ergonomic handles

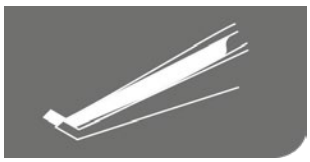
- This series offers models with thin shaped tips to suit every application
- Ergonomically shaped handles reduce hand fatigue and facilitates comfortable working
- Thermally insulated, soft foam handles, ESD-safe
- For all models with the suffix SA in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant

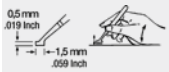
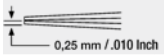
4.724 Inch / 120 mm	Model	Weight		Material	Description
		oz.	g		
	**E5SA**	0.88	25	Special stainless steel, soft foam handles	Ergonomic precision tweezers with straight, very pointed tips for gripping fine wires.
	**E3CSA**	0.88	25	Special stainless steel, soft foam handles	Ergonomic precision tweezers with long, straight and pointed tips, e.g. for assembly jobs on printed-circuit boards.
	**E00SA**	1.05	30	Special stainless steel, soft foam handles	Ergonomic precision tweezers with straight, strong tips for standard applications. Very robust.
	**E00DSA**	1.05	30	Special stainless steel, soft foam handles	Model same as E00SA, but with inside-serrated tips.
	**E7SA**	0.99	28	Special stainless steel, soft foam handles	Ergonomic precision tweezers with curved strong tips, e.g. for working in confined spaces.
	**E2ASA**	1.05	30	Special stainless steel, soft foam handles	Ergonomic precision tweezers with straight, flat and rounded tips for simple gripping jobs. Tip width 2 mm/.078 Inch.
	**E15AGW**	1.05	30	Carbon-steel, soft foam handles	Cutting tweezers, carbon-steel tips.

SMD tweezers

SMD tweezers – Angled tips

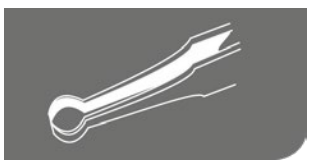
- Suitable for perfect handling of chips and miniature components
- Suitable for assembling SMD printed-circuit boards or ceramic substrates
- Bent shape facilitates optimum access to confined spaces and provides excellent visibility of the area to be worked on
- For all models with the suffix CA in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant



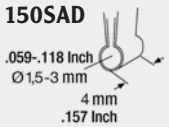
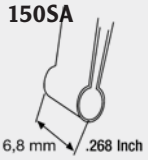
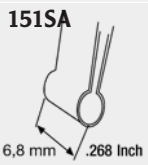
4.528 Inch / 115 mm	Model	Weight oz.	Weight g	Material	Description
	**102ACA** 	0.53	15	Special stainless steel	SMD tweezers, angled 45°, with pointed tips for vertical application.
	**102ACAX** 	0.49	14	Special stainless steel	SMD tweezers, angled 45°, with pointed tips for vertical application. Model same as 102ACA, but reverse clamping action for easy holding.
	**103ACA** 	0.53	15	Special stainless steel	SMD tweezers, angled 45°, with slightly wider tips for vertical application.

SMD tweezers – Round tips straight

- Suitable for gripping and holding round components and wires
- Blunted edges prevent damage to printed-circuit boards
- For all models with the suffix SA in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant



4.331 Inch/ 110 mm	Model	Weight oz.	Weight g	Material	Description
	**39SA**	0.53	15	Special stainless steel	SMD tweezers with round tips, dia. 0.3 mm/.011 Inch. Serrated finger grips for secure handling. For gripping small wires and cylindrical components.
	**40SA**	0.53	15	Special stainless steel	SMD tweezers with round tips, dia. 0.4 mm/.015 Inch. Serrated finger grips for secure handling. For gripping small wires and cylindrical components.

4.724 Inch / 120 mm	Model	Weight oz.	Weight g	Material	Description
	**150SAMF**	0.46	13	Stainless steel	SMD tweezers with round, very narrow tips, dia. 1.2 – 2.5 mm/ .047 – .098 Inch. Serrated finger grips for secure handling. For gripping cylindrical components, mini MELFs, etc.
	**150SAD** 	0.46	13	Stainless steel	SMD tweezers with round tips, dia. 1.5 – 3 mm/.059 –.118 Inch.Serrated finger grips for secure handling. For gripping cylindrical components, mini MELFs, etc.
	**150SA** 	0.46	13	Special stainless steel	SMD tweezers with round tips, dia. 1.5 – 3 mm/.059 –.118 Inch. Serrated finger grips for secure handling. For gripping cylindrical components.
	**151SA** 	0.46	13	Special stainless steel	SMD tweezers with round tips, dia. 3 – 6 mm/.118 –.236 Inch. Serrated finger grips for secure handling. For gripping cylindrical components.

SMD tweezers – Round tips bent

- Suitable for gripping fine wires and cylindrical components
- Blunted edges prevent damage to printed-circuit boards
- For all models with the suffix SA in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant

4.528 Inch / 115 mm	Model	Weight oz.	Weight g	Material	Description
	**150SAMB**	0.60	17	Special stainless steel	SMD tweezers, angled 40°, with round tips, dia. 1.2 – 2.5 mm / .047 – .098 Inch. Serrated finger grips for secure handling.
	**32BSA**	0.60	17	Special stainless steel	SMD tweezers, angled 45°, with round tips, dia. 5 mm/.197 Inch.
	**32BSA20**	0.60	17	Special stainless steel	SMD tweezers, angled 45°, with round tips, dia. 2 mm/.078
	**32BSA25**	0.60	17	Special stainless steel	SMD tweezers, angled 45°, with round tips, dia. 2.5 mm/.098 Inch.

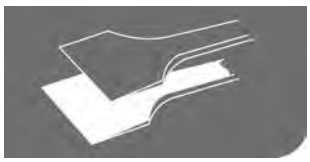
Locking gripping tweezers

- Gripping tweezers enable the user to hold and manipulate particularly fine wires with a diameter from 0.3 mm/.011 Inch or insulated optical fibres with a diameter of between 1.5 mm/.059 Inch and 5 mm/.197 Inch
- Suitable as a ligature clamp in dentistry
- Can be disinfected and sterilized

4.724 Inch / 120 mm	Model	Weight		Material	Description
		oz.	g		
	**940AS**	0.60	17	Special stainless steel	Gripping tweezers with locking mechanism. The ring-shaped tip provides for secure handling up to a tensile force of 5 kg.

Wafer tweezers

- Suitable for 3" to 6" wafers
- Serrated finger grips for secure handling
- Wafer tweezers are available to order in various sizes and coatings
- For all models with the suffix SA in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant



A = Paddle width
B = Paddle depth

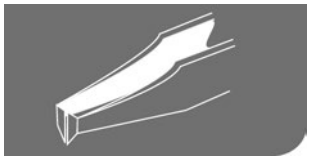
4.921 Inch / 125 mm	Model	Weight		A	B	Material	Description
		oz.	g	mm	mm		
	**91SA**	0.53	15	12	7	Special stainless steel	Standard wafer tweezers for 3" and 4" wafers.

5.118 Inch / 130 mm	Model	Weight		A	B	Material	Description
		oz.	g	mm	mm		
	**608ASA**	0.81	23	30	8.5	Special stainless steel	Wafer tweezers with flat lower paddle and 6 upper fingers for protecting wafers against damage. For 6" wafers. Model same as 600ASA, but 30 mm/1.181 Inch wide.
	**600ASA**	0.81	23	19.5	8	Special stainless steel	Wafer tweezers with flat lower paddle and 6 upper fingers for protecting wafers against damage. For 6" wafers.

5.906 Inch / 150 mm	Model	Weight		A	B	Material	Description
		oz.	g	mm	mm		
	**141SAP**	1.06	30	30	8	Special stainless steel	Wafer tweezers, 150 mm with polyester tips for protecting Si, GaAs or Ti wafers against damage. For 4" - 6" wafers.

Cutting tweezers

- Suitable for cutting fine, soft wires and small components
- Delivers high-precision cuts
- Hardened cutting edges for long service life

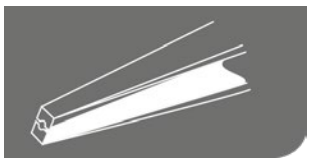


4.528 Inch / 115 mm

Model	Weight		Material	Description
	oz.	g		
15AGW	0.92	26	Carbon Steel	Cutting tweezers with narrow oblique head. For soft wires up to dia. 0.25 mm/.010 Inch.
15AGS	0.74	21	Carbon Steel	Cutting tweezers with narrow oblique head. For soft wires up to dia. 0.25 mm/.010 Inch.
B15AGS	0.74	21	Carbon Steel	Black cutting tweezers with narrow oblique head. For soft wires up to dia. 0.25 mm/.010 Inch.
B15AGW	0.92	26	Carbon Steel	Black cutting tweezers with narrow oblique head. For soft wires up to dia. 0.25 mm/.010 Inch.

Stripping tweezers

- Suitable for stripping fine wires with PVC or Teflon® insulation
- Non-reflecting surface
- Please send a wire sample when ordering

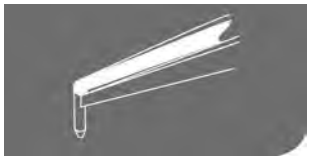


4.724 Inch / 120 mm	Model	Weight		Material	Description
		oz.	g		
	**29Y30**	0.78	22	carbon steel	Miniature stripping tweezers, dia. 0.25 mm / .010 Inch (AWG 30). Carbon steel. Serrated finger grips for secure handling.
	**29Y32**	0.78	22	Carbon steel	Miniature stripping tweezers, dia. 0.2 mm / .007 Inch (AWG 32). Carbon steel. Serrated finger grips for secure handling.
	**29Y34**	0.78	22	Stainless steel	Miniature stripping tweezers, dia. 0.16 mm/.006 Inch (AWG 34). Stainless steel. Serrated finger grips for secure handling.
	**29Y36**	0.78	22	Stainless steel	Miniature stripping tweezers, dia. 0.13 mm/.005 Inch (AWG 36). Stainless steel. Serrated finger grips for secure handling.
	**29Y40**	0.78	22	Stainless steel	Miniature stripping tweezers, dia. 0.08 mm/.003 Inch (AWG 40). Stainless steel. Serrated finger grips for secure handling.

4.724 Inch / 120 mm	Model	Weight		Material	Description
		oz.	g		
	**29W30**	0.99	28	Stainless steel	Stripping tweezers with synthetic fibre handle. For wires of dia. 0.25 – 0.3 mm / .010 – .011 Inch (AWG 30 – 28).For standard and Teflon® insulation.
	XB29W301				Spare blade for 29W30

Extraction tweezers

- Suitable for extracting contacts from the rear of a plug connector



4.724 Inch / 120 mm	Model	Weight		Material	Description
		oz.	g		
	**024C**	0.53	11	Stainless steel	Extraction tweezers for Sub-D connectors. Stainless steel. Outside Ø 2.15 mm/0.08 Inch (A), Inside Ø 1.75 mm/0.07 Inch (B), tip length 8 mm

Special tools

IC AND SMD TOOLS, FIBER-OPTIC TOOLS

IC and SMD tools

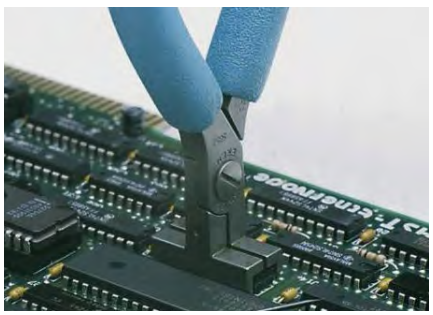
IC and SMD tools with precise fine adjustment for inserting, extracting, straightening and cutting IC and SMD components

Fibre optic tools

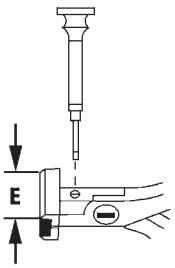
High-precision tools for optical fibers for professional stripping, suitable for cutting Kevlar® silks, VectranTM-sheathed wires, etc.

IC and SMD tools

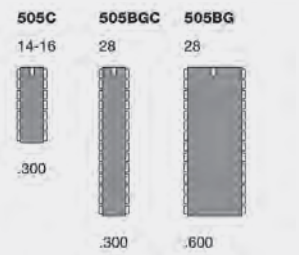
IC and SMD tools for inserting, extracting, straightening and cutting IC and SMD components



4.724 Inch / 120 mm



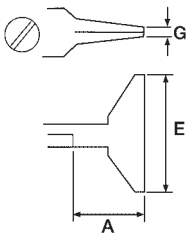
- Non-reflecting surface
- ESD-safe
- One screwdriver included for fine adjustments.

Model		E		Width		
		Inch	mm	Inch	mm	
505C		0.787	20	0.3	7.62	Inserting and extracting 14-16 pins
505BG		1.417	36	0.591	15	Inserting and extracting 28 pins
505BGC		1.417	36	0.300	7	Inserting and extracting pliers, 28 pins

Pliers for straightening

5.118 Inch / 130 mm

4.232 / 120 g



- Practical straightening tool, suitable for straightening contacts, DIL/IC connections.
- Non-reflecting surface
- ESD-safe
- Up to 16 connections possible.

Model			A		E		G	
			Inch	mm	Inch	mm	Inch	mm
808G			0.906	23	1.653	42	0.039	1

Tip cutter – straight short relieved head

4.331 Inch / 110 mm

1.693 oz. / 48 g

- Suitable for cutting SMD and micro-package contacts.
- High-precision tip cutter
- For connections of SMD micro-packages up to 0.25 mm / .010 inch, also for pitches smaller than 1/20".
- For µ pitches below 0.5 mm / .019 inch, you will need the 670EPF

Model	Cut	A		B		C		D	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm
670EP	 Flush	0.118	3	0.354	9	0.236	6	0.709	18

Tip cutter – angled narrow head

4.528 Inch / 115 mm
2.399 oz. / 68 g
30°

- High precision tip cutter, bent.
- Practical rework tool.
- For cutting DIL contacts directly on the component.
- Ideal for densely printed boards.
- Non-reflecting surface
- ESD-safe

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
593AE	Flush	0.157	4	0.433	11	0.236	6	1.024	26		ø 0,4	ø 1,0

3900KC

Kit for SMD work

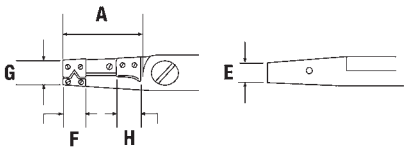
Order No. 3900KC

- For SMD assembly and repair applications.
- 6-pieces tool kit with monitored discharging ESD handles.
- Special tool steel.
- High-quality precision tweezers, non-magnetic.
- In an ESD-safe plastic case.

Scope of supply	Model	Description
	102ACA	SMD tweezers, angled 45°, with pointed tips for vertical application.
	103ACA	SMD tweezers, angled 45°, with slightly wider tips for vertical application.
	150SAMB	SMD tweezers, angled 40°, with round tips, dia. 1.2 – 2.5 mm / .047 – .098 Inch. Serrated finger grips for secure handling.
	150SAMF	SMD tweezers with round, very narrow tips, dia. 1.2 – 2.5 mm/ .047 – .098 Inch. Serrated finger grips for secure handling. For gripping cylindrical components, mini MELFs, etc.
	51SA	Precision tweezers, curved 30°, relieved. Very pointed tips. Relieved shape at front of handle provides excellent visibility of the area to be worked on.
	670EP	Tip cutter – straight short relieved head

High precision stripping pliers

Side stripping 0.06 mm – 0.6 mm .002 Inch – .023 Inch (AWG 42 – 24)



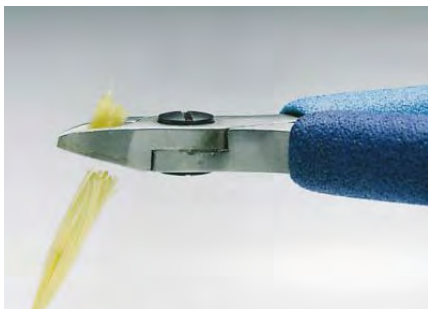
A = Jaw length
E = Width of tips
F = Depth of interchangeable blade
G = Total height of both tips
H = Length of cutting blade

- Robust, high-precision tools for use in electronics and aeronautical engineering
- The required diameter is set by means of screws
- Screwdriver and key are included
- Interchangeable blades
- ESD-safe
- Unique precision for damage-free stripping of fine wires.
- Suitable for all types of insulation, Teflon®, Tefzel and optical fibres.
- Unlimited stripping length thanks to side stripping
- Suitable for simple and precise stripping of optical fibres
- Non-reflecting surface

4.724 Inch / 120 mm
2.82 / 80 g

Model	A		E		F		G		H		Wire diameter	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
552S	0.82	21	0.24	6	0.24	6	0.43	11	0.354	9	0.002 - 0.024	0,06 - 0,6

Special applications: Kevlar® silks



- Side cutter, suitable for cutting Kevlar® silks.
- Avoid any other application than cutting kevlar silks to not damage the tool

4.528 Inch / 115 mm
2.36 oz. / 67 g

Model	Cut	A		B		C		D	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm
599F0		0.472	12	0.433	11	0.24	6	0.748	19

Special applications: Special tool steel

4.528 Inch / 115 mm

2.36 oz. / 67 g

- Side cutter for cutting Kevlar® silks, Vectran™-sheated wires, optical fibres and small stainless wires.
- Side cutter with cutting edges made from tungsten carbide.

Model	Cut	A		B		C		D	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm
599TF0	Semi-flush	0.472	12	0.43	11	0.24	6	0.748	19

Kits

SWISS HIGH PRECISION TOOLS IN A KIT

LARGE SELECTION
of tool kits with high-quality precision tools

OPTIMUM COMBINATION
of suitable precision tools for many applications, e.g. in microelectronics, medicine or biology

ESD-SAFE PLASTIC CASE
with padded foam inlay

3600KU

Erem Toolset Universal

Order No. 3600KU

- For use in electronics assembly, the watchmaking industry, medicine or dentistry.
- 11-piece tool kit with monitored discharging ESD handles.
- Special tool steel, non-reflecting surface, resharpenable (cutter).
- High-quality precision tweezers, non-magnetic, for assembly work in electronics and light engineering.
- Precision screwdriver with hardened, durable tips, for precision working in confined areas.
- In an ESD-safe plastic case.

Scope of supply	Model	Description
	2412E	Side cutter – oval head
	2442P	Flat nose pliers with smooth jaws and precision-machined edges.
	2ASASL	Precision tweezers with flat rounded tips for gripping components. Tip width 2 mm/.078 Inch. Same as 2ASA, but economy model.
	622NB	Side cutter – pointed relieved head
	AASA	Precision tweezers with fine but robust tips for standard applications.
	XP600	Precision-Screwdriver Set, 6 parts (4 screwdriver: 1,5 x 60 mm / .059 x 2.362 Inch, 2,0 x 60mm / .078 x 2.362 Inch, 2.5 x 60 mm / .098 x 2.362 Inch, 3,0 x 60 mm / .118 x 2.362 Inch, 2 Philipps No. 0 and No. 00)

3900KC

Kit for SMD work

Order No. 3900KC

- For SMD assembly and repair applications.
- 6-pieces tool kit with monitored discharging ESD handles.
- Special tool steel.
- High-quality precision tweezers, non-magnetic.
- In an ESD-safe plastic case.

Scope of supply	Model	Description
	102ACA	SMD tweezers, angled 45°, with pointed tips for vertical application.
	103ACA	SMD tweezers, angled 45°, with slightly wider tips for vertical application.
	150SAMB	SMD tweezers, angled 40°, with round tips, dia. 1.2 – 2.5 mm / .047 – .098 Inch. Serrated finger grips for secure handling.
	150SAMF	SMD tweezers with round, very narrow tips, dia. 1.2 – 2.5 mm/ .047 – .098 Inch. Serrated finger grips for secure handling. For gripping cylindrical components, mini MELFs, etc.
	51SA	Precision tweezers, curved 30°, relieved. Very pointed tips. Relieved shape at front of handle provides excellent visibility of the area to be worked on.
	670EP	Tip cutter – straight short relieved head

2400KMS

Erem 2400 MagicSense

Order No. 2400KMS

- For use in electronics, PCB assembly, wire and connection handling.
- 3-pieces tool kit.
- MagicSense moulded handle with soft touch for increased comfort and grip.
- Induction-hardened cutting edges in Rockwell hardness 64-65 HRc, high grade of hardness for exceptionally long life.
- High-grade tool steel, non-reflecting surface, ESD-safe, resharpenable
- In an ESD-safe plastic case.

Scope of supply	Model	Description
	2411P	Needle nose pliers with very precise, smooth and rounded jaws.
	2412E	Side cutter – oval head
	2482E	Tip cutter - angled narrow head. Suitable for working on printed-circuit boards, component connections, can be used in both 90° and 180° applications

3300TPS

Erem Tweezers Prime Selection

Order No. 3300TPS

- High-quality precision tweezers for use in microelectronics, light engineering, laboratory work, biology and medicine.
- 3-pieces tweezers kit.
- Special stainless steel, non-magnetic, non-rusting, acid-proof.
- In an ESD-safe plastic case.

Scope of supply	Model	Description
	2ASA	Precision tweezers with flat rounded tips for gripping components. Tip width 2 mm/.078 Inch.
	3SA	Precision tweezers with pointed tips for work in microelectronics.
	7SASL	Precision tweezers, curved, relieved, with pointed tips. Excellent handling in confined spaces. Same as 7SA, but economy model.

3400TSMDU

Erem SMD Tweezers - Universal

Order No. 3400TSMDU

- High-quality precision tweezers for SMD work with assorted shapes of chip, SOT, MELFs, mini MELFs, flatpacks.
- 4-piece tweezer kit.
- Blunted edges prevent PCB damage.
- Special stainless steel, non-magnetic, non-rusting, acid-proof.
- In an ESD-safe plastic case.

Scope of supply	Model	Description
	102ACAX	SMD tweezers, angled 45°, with pointed tips for vertical application. Model same as 102ACA, but reverse clamping action for easy holding.
	103ACA	SMD tweezers, angled 45°, with slightly wider tips for vertical application.
	150SAMF	SMD tweezers with round, very narrow tips, dia. 1.2 – 2.5 mm/ .047 – .098 Inch. Serrated finger grips for secure handling. For gripping cylindrical components, mini MELFs, etc.
	7SASL	Precision tweezers, curved, relieved, with pointed tips. Excellent handling in confined spaces. Same as 7SA, but economy model.

3500TP

Erem Premium Tweezers

Order No. 3500TP

- High-quality precision tweezers for microelectronics, light engineering and SMD work.
- 5-piece tweezer kit.
- Blunted edges prevent PCB damage.
- Special stainless steel, non-magnetic, non-rusting, acid-proof.
- In an ESD-safe plastic case.

Scope of supply	Model	Description
	102ACA	SMD tweezers, angled 45°, with pointed tips for vertical application.
	15AGW	Cutting tweezers with narrow oblique head. For soft wires up to dia. 0.25 mm/.010 Inch.
	2ASA	Precision tweezers with flat rounded tips for gripping components. Tip width 2 mm/.078 Inch.
	3SA	Precision tweezers with pointed tips for work in microelectronics.
	7SASL	Precision tweezers, curved, relieved, with pointed tips. Excellent handling in confined spaces. Same as 7SA, but economy model.

Originating from a tiny metalworking company in 1921, the Xcelite® brand of precision hand tools has been a favorite of service technicians for over 85 years. It is now known throughout the electronics industry for its full line of high-quality precision screwdrivers, nutdrivers, pliers, cutters, interchangeable-blade sets, specialized tools and kits.

Xcelite® by Weller®

Precision Tools Xcelite®

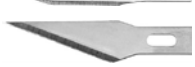
Screw- and nutdrivers, knifes and blades,
shear cutters and pliers, service kits and tool cases

Knives & Blades

Knives

	Order no.	Description	Size	
			Inch	mm
	XN100	Knife, Light duty for soft material	5 13/16	148
	**XN200**	Knife, Medium duty for hard material	5 3/4	146
	**XN210**	Knife, Heavy duty plastic handle for coars jobs	5 7/16	137
	**XNS100**	Light and medium duty knife set. Contains 10 assorted blades: XN100, XN200, XNB103 (2 pcs.), XNB105 (2 pcs.), XNB101, XNB203, XNB205 (2 pcs.), XNB201		

Blades for XN100

	Order No.	Description	Pack quantity
	**XNB101**	Blade, Standard	5
	**XNB103**	Blade, Fine pointed	5
	**XNB103B**	Blade, Fine pointed	100
	**XNB105**	Blade, Stencil	5

Blades for XN200 and XN210

	Order No.	Description	Pack quantity
	**XNB201**	Blade, Chisel	5
	**XNB203**	Blade, General purpose	5
	**XNB205**	Blade, Pointed	5

Shear cutters and pliers

Shear cutter - general purpose

- Low profile, general-purpose cutter
- Superior blade by-pass shear cutting action
- Greatly reduced mechanical shock delivered to the work
- ESD safe
- Soft grips and feature safety clips
- Flush cuts soft wire up to 20 AWG (0.8 mm)

Order no.	Description	Size	
		Inch	mm
170MN	Shearcutter - General purpose, 127 mm (5 Inch)	5	127
175MN	Shearcutter with safety clips, soft handles	5	127

Sheet metal Snip

Order no.	Description	Size	
		Inch	mm
86NCG	Snip, electronic	6.5	165

Wire Stripper & Cutters

- Adjustable for different wire strengths

Order no.	Description	Size	
		Inch	mm
100XV	Wire Stripper & Cutter, adjustable	5	127
101SNV	Wire Stripper & Cutter, spring-opening	5	127

Screwdriver and nutdriver sets

M60N

Mini Screwdriver Set with Slotted/ Phillips Screwdrivers (7 pcs.)

Order No. M60N

RATCHET MIDGET 5PCE KIT XL75V

Offset Ratches Screwdriver Set

Order No. XL75VN

PS88N

Hex Socket Screwdriver Set - Inch Size

Order No. PS88N

Scope of Supply	Order no.	Description	Length		Colour
			Inch	mm	
	P0	Screwdriver, Midget, Philipps No. 0	3.504	89	blue
	P141	Screwdriver, Midget, 1/8" (3,18 mm)	3.504	89	amber
	P181	Screwdriver, Midget, 1/8" (3,18 mm)	3.504	89	red
	P1N	Screwdriver, Midget, Philipps No. 1	3.504	89	brown
	P2	Screwdriver, Midget, Philipps No. 2	3.504	89	amber
	P3161	Screwdriver, Midget, 3/16" (4,76 mm)	3.504	89	orange
	P3321N	Screwdriver, Midget, 3/32" (2,38 mm)	3.504	89	green
	P5321	Screwdriver, Midget, 5/32" (3,97 mm)	3.504	89	black
	TA2	Torque amplifier handle			Black

PS89N

Hex Socket Set – Inch Size

Order No. PS89N

Scope of Supply	Order no.	Description	Length	
			Inch	mm
	P18	Screwdriver, Midget, Hex, 0,028" (0,71 mm)	3.504	89
	P19	Screwdriver, Midget, Hex, 0,035" (0,89 mm)	3.504	89
	P20	Screwdriver, Midget, Hex, 0,050" (1,27 mm)	3.504	89
	P21	Screwdriver, Midget, Hex, 1/16" (1,59 mm)	3.504	89
	P22N	Screwdriver, Midget, Hex, 5/64" (1,98 mm)	3.504	89
	P23	Screwdriver, Midget, Hex, 3/32" (2,38 mm)	3.504	89
	P24	Screwdriver, Midget, Hex, 1/8" (3,18 mm)	3.504	89
	P764	Screwdriver, Midget, Hex, 7/64" (2,78 mm)	3.504	89
	TA2	Torque amplifier handle		

PS90MMN

Hex Socket Set – Metric Size

Order No. PS90MMN

Scope of Supply	Order no.	Description	Length	
			Inch	mm
	P71	Screwdriver, Midget, Hex, 1,27 mm	3.504	89
	P72	Screwdriver, Midget, Hex, 1,5 mm	3.504	89
	P73	Screwdriver, Midget, Hex, 0,89 mm	3.504	89
	P74	Screwdriver, Midget, Hex, 2,5 mm	3.504	89
	P75	Screwdriver, Midget, Hex, 3 mm	3.504	89
	P76	Screwdriver, Midget, Hex, 4 mm	3.504	89
	P77	Screwdriver, Midget, Hex, 5 mm	3.504	89
	P78	Screwdriver, Midget, Hex, 0,89 mm	3.504	89
	TA2	Torque amplifier handle		

PS120N

Nutdriver Set – Inch Size

Order No. PS120N

Scope of Supply	Order no.	Description	Length		Colour
			Inch	mm	
	P10N	Nutdriver, Midget, 5/16" (7,94 mm)	3.504	89	amber
	P11	Nutdriver, Midget, 11/32" (8,73 mm)	3.504	89	Green
	P12	Nutdriver, Midget, 3/8" (9,53 mm)	3.504	89	blue
	P3	Nutdriver, Midget, 3/32" (2,38 mm)	3.504	89	green
	P3321N	Screwdriver, Midget, 3/32" (2,38 mm)	3.504	89	green
	P4N	Nutdriver, Midget, 1/18" (3,18 mm)	3.504	89	red
	P5N	Nutdriver, Midget, 5/32" (3,97 mm)	3.504	89	amber
	P6N	Nutdriver, Midget, 3/16" (4,76 mm)	3.504	89	black
	P7	Nutdriver, Midget, 7/32" (5,56 mm)	3.504	89	brown
	P8N	Nutdriver, Midget, 1/4" (6,35 mm)	3.504	89	red
	P9	Nutdriver, Midget, 9/32" (7,14 mm)	3.504	89	orange
	TA2	Torque amplifier handle			Black

PS121MMN

Nutdriver Set – Metric Size

Order No. PS121MMN

Scope of Supply	Order no.	Description	Length	
			Inch	mm
	P10MM	Nutdriver, Midget, 10 mm (0,394")	3.504	89
	P35MM	Nutdriver, Midget, 3,5 mm (0,138")	3.504	89
	P3MM	Nutdriver, Midget, 3 mm (0,118")	3.504	89
	P45MM	Nutdriver, Midget, 4,5 mm (0,177")	3.504	89
	P4MM	Nutdriver, Midget, 4 mm (0,157")	3.504	89
	P55MM	Nutdriver, Midget, 5,5 mm (0,217")	3.504	89
	P5MM	Nutdriver, Midget, 5 mm (0,197")	3.504	89
	P6MM	Nutdriver, Midget, 6 mm (0,236")	3.504	89
	P7MM	Nutdriver, Midget, 7 mm (0,276")	3.504	89
	P8MM	Nutdriver, Midget, 8 mm (0,315")	3.504	89
	TA2	Torque amplifier handle		

Service kits and sets

99MPN

Multi-purpose Tool Kit

Order No. 99MPN

Scope of Supply	Order No.	Description
	9912N	Blade, Nutdriver, 3/8"
	9914	Blade, Nutdriver, 7/16"
	9916N	Blade, Nutdriver, 1/2"
	991X	Ratching Handle
	9920N	Blade, Screwdriver, Allen Hex Type, 0,050"
	9921N	Blade, Screwdriver, Allen Hex Type, 1/16"
	9922N	Blade, Screwdriver, Allen Hex Type, 5/64"
	9923N	Blade, Screwdriver, Allen Hex Type, 3/32"
	9924N	Blade, Screwdriver, Allen Hex Type, 1/8"
	9925N	Blade, Screwdriver, Allen Hex Type, 5/32"
	9926N	Blade, Screwdriver, Allen Hex Type, 3/16"
	994N	T-Handle, black
	9961N	Blade, Bristol 6-flute Multiple Spline, 0,048"
	996N	Blade, Nutdriver, 3/16"
	99764N	Blade, Screwdriver, Allen Hex Type, 7/64"
	997N	Blade, Nutdriver, 7/32"
	99820N	Blade, Screwdriver, Phillips No. 0
	99821N	Blade, Screwdriver, Phillips No. 1
	99822N	Blade, Screwdriver, Phillips No. 2
	998MN	Blade, Nutdriver, magnetic, 1/4"
	998N	Blade, Nutdriver, 1/4"
	99X5N	Extension 4"
	T9910N	Blade, Nutdriver, 5/16"
	T9911N	Blade, Nutdriver, 11/32"
	T99964N	Blade, Screwdriver, Allen Hex Type, 9/64"
	T999N	Blade, Nutdriver, 9/32"

99SPC

Personal Computer Repair Kit

Order No. 99SPC

Scope of Supply	Order No.	Description
	9910XTDN	Torx Blade No. 10
	9915XTDN	Torx Blade No. 15
	991X	Ratching Handle
	996N	Blade, Nutdriver, 3/16"
	99811N	Blade, Screwdriver, Slotted, 3/16"
	99820N	Blade, Screwdriver, Phillips No. 0
	99821N	Blade, Screwdriver, Phillips No. 1
	998N	Blade, Nutdriver, 1/4"
	E1	IC-Inserter
	R1	Gripping Tool
	T1	Tweezer
	X1	IC-Extractor

99PS40N

Allen Hex Set – Inch Size

Order No. 99PS40N

Scope of Supply	Order No.	Description
	991X	Ratching Handle
	9920N	Blade, Screwdriver, Allen Hex Type, 0,050"
	9921N	Blade, Screwdriver, Allen Hex Type, 1/16"
	9922N	Blade, Screwdriver, Allen Hex Type, 5/64"
	9923N	Blade, Screwdriver, Allen Hex Type, 3/32"
	9924N	Blade, Screwdriver, Allen Hex Type, 1/8"
	9925N	Blade, Screwdriver, Allen Hex Type, 5/32"
	9926N	Blade, Screwdriver, Allen Hex Type, 3/16"
	99764N	Blade, Screwdriver, Allen Hex Type, 7/64"
	99X5N	Extension 4"
	T99964N	Blade, Screwdriver, Allen Hex Type, 9/64"

99PS41MMN

Allen Hex Set – Metric Size

Order No. 99PS41MMN

Scope of Supply	Order No.	Description
	991X	Ratching Handle
	9971MMN	Blade, Screwdriver, Allen Hex, 1,27 mm
	9972MMN	Blade, Screwdriver, Allen Hex, 1,5 mm
	9973MMN	Blade, Screwdriver, Allen Hex, 2 mm
	9974MMN	Blade, Screwdriver, Allen Hex, 2,5 mm
	9975MMN	Blade, Screwdriver, Allen Hex, 3 mm
	9976MMN	Blade, Screwdriver, Allen Hex, 4 mm
	9977MM	Blade, Screwdriver, Allen Hex, 5 mm
	99X5N	Extension 4"

99PS40BPN

Ballpoint Screwdriver Set – Inch Size

Order No. 99PS40BPN

Scope of Supply	Order No.	Description
	991X	Ratching Handle
	9920BPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 0,050"
	9921BPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 1/16"
	9922BPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 5/64"
	9923BPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 3/32"
	9924BPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 1/8"
	9925BPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 5/32"
	9926BPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 3/16"
	99764BPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 7/64"
	99964BPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 9/64"
	99X5N	Extension 4"

99PS41MMBPN

Ballpoint Screwdriver Set Metric Size

Order No. 99PS41MMBPN

Scope of Supply	Order No.	Description
	991X	Ratching Handle
	9971MMBPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 1,27 mm
	9972MMBPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 1,5 mm
	9973MMBPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 2 mm
	9974MMBPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 2,5 mm
	9975MMBPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 3 mm
	9976MMBPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 4 mm
	9977MMBPN	Blade, Screwdriver, Allen Hex Type, Ballpoint, 5 mm
	99X5N	Extension 4"

99PS50N

Screwdriver & Nutdriver Set

Order No. 99PS50N

Scope of Supply	Order No.	Description
	9912N	Blade, Nutdriver, 3/8"
	991X	Ratching Handle
	99250N	Blade, Screwdriver, Slotted, 1/4"
	996N	Blade, Nutdriver, 3/16"
	997N	Blade, Nutdriver, 7/32"
	99811N	Blade, Screwdriver, Slotted, 3/16"
	99821N	Blade, Screwdriver, Phillips No. 1
	99822N	Blade, Screwdriver, Phillips No. 2
	998N	Blade, Nutdriver, 1/4"
	99X5N	Extension 4"
	T9910N	Blade, Nutdriver, 5/16"
	T9911N	Blade, Nutdriver, 11/32"
	T999N	Blade, Nutdriver, 9/32"

99PS51MMN

Nutdriver Set – Metric Size

Order No. 99PS51MMN

Scope of Supply	Order No.	Description
	9910MMN	Blade, Nutdriver, 10 mm
	9911MMN	Blade, Nutdriver, 11 mm
	991X	Ratching Handle
	9945MMN	Blade, Nutdriver, 4,5 mm
	994MMN	Blade, Nutdriver, 4 mm
	9955MMN	Blade, Nutdriver, 5,5 mm
	995MMN	Blade, Nutdriver, 5 mm
	996MMN	Blade, Nutdriver, 6 mm
	997MM	Blade, Nutdriver, 7 mm
	998MMN	Blade, Nutdriver, 8 mm
	999MMN	Blade, Nutdriver, 9 mm
	99X5N	Extension 4"

99PS60N

Bristol Multiple Spline Socket Screwdriver Set

Order No. 99PS60N

Scope of Supply	Order No.	Description
	991X	Ratching Handle
	9961N	Blade, Bristol 6-flute Multiple Spline, 0,048"
	9962N	Blade, Bristol 6-flute Multiple Spline, 0,060"
	9963N	Blade, Bristol 4-flute Multiple Spline, 0,069"
	9964N	Blade, Bristol 6-flute Multiple Spline, 0,072"
	9965	Blade, Bristol 4-flute Multiple Spline, 0,076"
	9966N	Blade, Bristol 6-flute Multiple Spline, 0,096"
	9967N	Blade, Bristol 6-flute Multiple Spline, 0,111"
	9968	Blade, Bristol 6-flute Multiple Spline, 0,145"
	9969N	Blade, Bristol 6-flute Multiple Spline, 0,183"
	99X5N	Extension 4"

99XTD7N

Torx Screwdriver Tool Set

Order No. 99XTD7N

Scope of Supply	Order No.	Description
	9910XTDN	Torx Blade No. 10
	9915XTDN	Torx Blade No. 15
	991X	Ratching Handle
	9920XTDN	Torx Blade No. 20
	9925XTDN	Torx Blade No. 25
	9927XTD	Torx Blade No. 27
	9930XTD	Torx Blade No. 30

Tool cases

XL70

Offset Ratchet Screwdriver Set

Order No. XL70N

Scope of Supply	Order No.	Description
	XL10	Allen Hex Screw Bit 5/32" (3,97 mm)
	XL12	Allen Hex Screw Bit 3/16" (4,76 mm)
	XL14	Allen Hex Screw Bit 7/32" (5,56 mm)
	XL16	Allen Hex Screw Bit 1/4" (6 mm)
	XL17	Slotted Screw Bit 1/4" (6 mm)
	XL18	Allen Hex Screw Bit 5/16" (7,94 mm)
	XL20	Phillips Screw Bit No. 1
	XL21	Phillips Screw Bit No. 2
	XL24	Adapter bit
	XL25	Slotted Screw Bit 3/16" (4,76 mm)
	XL27	Offset Ratchet, reversible
	XL3	Allen Hex Screw Bit 0,050" (1,27 mm)
	XL4	Allen Hex Screw Bit 1/16" (1,54 mm)
	XL5	Allen Hex Screw Bit 5/64" (1,98 mm)
	XL50X	Screwdriver Extension
	XL6	Allen Hex Screw Bit 3/32" (2,38 mm)
	XL7	Allen Hex Screw Bit 7/64" (1,54 mm)
	XL8	Allen Hex Screw Bit 1/8" (3,17 mm)
	XL9	Allen Hex Screw Bit 9/64" (3,57 mm)