

WOW!

World of Weller®



Special application solder feeder



- Smooth proportion of solder by automatic solder feeder system
- „3.hand“ for easy handling



The WSF 81D is a soldering station with an automatic solder feeder system. There are 2 suitable solder diameter. The WSF 81D8 is qualified for solder diameter from 0,8 mm - 1,5 mm, the WSF 81D5 fits from 0,5 mm - 0,8 mm. The adjustment to the exact diameter is automatically with both stations. The operator can switch between automatic and continuous solder supply. The power unit is fitted with digital electronics for regulation the soldering iron temperature and solder feed operation. In the feeder unit a solder reel holder can host coils upto max. 1 kg.

Technical Data

WSF 81D8

WSF 81D5

Dimension L x B x H	120 x 217 x 199 mm	
Channels	1	
Solder	ø 0,8 - 1,5 mm	ø 0,5 - 0,8 mm
Power supply	230 V / 120 V (50/60 Hz)	
Power consumption	80 W	
Protection class	1 Power unit, 3 Soldering irons	
Temperature range	150°C – 450°C	
Adjustable Temperature range	digital control	
Tools recognition	automatically	
Display	3 position digital display	
Temperature control	Via buttons	
ESD safe	yes	
Equipotential bonding	normal state hard grounded	
USB interface	no	
Order-no.	T005 28 226 99	T005 28 206 99



WSF 81D5 Solder Feeder System

■ For solder wire from
Ø 0,5 mm upto 0,8 mm



LT Soldering tip series
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Order-no.	Model	Description
T005 28 206 99	WSF 81D5	Solder feeder system 80 W for wire from Ø 0,5 mm upto 0,8 mm

Scope of supply:

1		Power Unit
2	T005 28 116 99	WSF 2 Feeding unit
3	T005 28 121 99	WSFP 5 Soldering iron 80 W, 24 V mit Lötspitze LT HX
4	T005 15 028 99	AK S Safety rest with cleaning sponge

Accessory:

T005 13 120 99	Foot switch 1-step
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WSF 81D8 Solder Feeder System

■ For solder wire from
Ø 0,8 mm upto 1,5 mm



LT Soldering tip series
page 165-168

Order-no.	Model	Description
T005 28 226 99	WSF 81D8	Solder feeder system 80 W for wire from Ø 0,8 mm upto 1,5 mm

Scope of supply:

		Power Unit
T005 28 116 99	WSF 2	Feeding unit
T005 28 122 99	WSFP 8	Soldering iron 80 W, 24 V mit Lötspitze LT BX
T005 15 028 99	AK S	Safety rest with cleaning sponge

Accessory:

T005 13 120 99	Foot switch 1-step
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LT Soldering Tip Series

Soldering Tips for Soldering irons WP 80, WSP 80, MPR 80 and FE 75, TCP-Soldering irons



Order-no.	Model	Description	Width A	Thickness B	max.Length L	
T005 44 494 99 T005 44 494 10	LT 1SC	Chisel tip, (1 piece) (10 pieces)	0,4 mm	0,15 mm	15,0 mm	
T005 44 497 99	LT 1SCNW	Chisel tip, (1 piece),chrome	0,3 mm	0,1 mm	15,0 mm	
T005 44 440 99 T005 44 440 10 T005 44 403 11	LT A	Chisel tip, (1 piece) (10 pieces) (100 pieces)	1,6 mm	0,7 mm	13,5 mm	
T005 44 516 11	LT ASL	Chisel tip, flat 30° (100 pieces)	1,6 mm	0,45 mm	13,5 mm	
T005 44 405 99 T005 44 405 10 T005 44 405 11	LT B	Chisel tip, (1 piece) (10 pieces) (100 pieces)	2,4 mm	0,8 mm	13,5 mm	
T005 44 517 11	LT BSL	Chisel tip, flat 30° (100 pieces)	2,4 mm	0,45 mm	13,5 mm	
T005 44 437 99 T005 44 437 10 T005 44 412 11	LT H	Chisel tip, (1 piece) (10 pieces) (100 pieces)	0,8 mm	0,4 mm	13,5 mm	
T005 44 518 11	LT HSL	Flacher Meißel 30° (100 pieces)	0,8 mm	0,4 mm	13,5 mm	
T005 44 407 99 T005 44 407 10 T005 44 407 11	LT C	Chisel tip, (1 piece) (10 pieces) (100 pieces)	3,2 mm	0,8 mm	13,5 mm	
T005 44 409 99 T005 44 409 10 T005 44 409 11	LT D	Chisel tip, (1 piece) (10 pieces) (100 pieces)	4,6 mm	0,8 mm	13,5 mm	
T005 44 448 99 T005 44 448 10	LT DLL	Chisel tip, (1 piece) (10 pieces)	4,6 mm	0,8 mm	13,5 mm	
T005 44 438 99 T005 44 438 10 T005 44 413 11	LT K	Chisel tip long, (1 piece) (10 pieces) (100 pieces)	1,2 mm	0,4 mm	21,0 mm	
T005 44 414 99 T005 44 414 10 T005 44 414 11	LT L	Chisel tip long, (1 piece) (10 pieces) (100 pieces)	2,0 mm	1,0 mm	21,0 mm	
T005 44 415 99 T005 44 415 10 T005 44 415 11	LT M	Chisel tip long, (1 piece) (10 pieces) (100 pieces)	3,2 mm	1,2 mm	21,0 mm	






Soldering Tips

Continuation page 165, further soldering tips for WP 80,WSP 80,MPR 80 and FE 75

Order-no.	Model	Description	Width A	Thickness B	max.Length L	
T005 44 420 99 T005 44 420 11	LT HX	Chisel tip bent 30°, (1 piece) (100 pieces)	0,8 mm	0,4 mm	18,0 mm	
T005 44 443 99 T005 44 443 10 T005 44 443 11	LT ALX	Chisel tip bent 30°, (1 piece) (10 pieces) (100 pieces)	1,6 mm	0,7 mm	18,0 mm	
T005 44 442 99 T005 44 442 10	LT BX	Chisel tip bent 30°, (1 piece) (10 pieces)	2,4 mm	0,8 mm	18,0 mm	
T005 44 427 99 T005 44 427 10	LT AX	Chisel tip bent 30°, (1 piece) (10 pieces)	1,6 mm	0,8 mm	13,5 mm	
T005 44 428 99 T005 44 428 10	LT 4X	Chisel tip bent 30°, (1 piece) (10 pieces)	1,2 mm	0,4 mm	16,5 mm	
T005 44 469 99	LT MX	Chisel tip bent 30°, (1 piece)	3,2 mm	0,8 mm	19,3 mm	
T005 44 436 99 T005 44 402 11	LT 1S	Round tip slim, (1 piece) (100 pieces)	Ø 0,2 mm		15,0 mm	
T005 44 496 99	LT 1SNW	Round tip slim,chrome, unwetable, (1 piece)	Ø 1,0 mm			
T005 44 488 99	LT 1SA	Round tip slim, (1 piece)	Ø 0,5 mm		16,0 mm	
T005 44 435 99 T005 44 435 10 T005 44 401 11	LT 1	Round tip, (1 piece) (10 pieces) (100 pieces)	Ø 0,25 mm		14,0 mm	
T005 44 498 99	LT 1NW	Unwetable, chrome, (1 piece)				
T005 44 489 99 T005 44 489 10 T005 44 489 11	LT 1A	Round tip, (1 piece) (10 pieces) (100 pieces)	Ø 0,5 mm		14,0 mm	
T005 44 404 99 T005 44 404 10 T005 44 404 11	LT AS	Round tip, (1 piece) (10 pieces) (100 pieces)	Ø 1,6 mm		13,5 mm	
T005 44 411 99 T005 44 411 10	LT CS	Round tip, (1 piece) (10 pieces)	Ø 3,2 mm		13,5 mm	
T005 44 426 99 T005 44 426 10	LT 1SLX	Round tip, slim bent 30°, (1 piece) (10 pieces)	Ø 2,0 mm	Ø 0,4 mm	20,5 mm	
T005 44 425 99 T005 44 425 10	LT 1X	Round tip bent 30°, (1 piece) (10 pieces)	Ø 0,4 mm		12,5 mm	



Continuation page 165/166, further soldering tips for WP 80, WSP 80, MPR 80 and FE 75

Order-no.	Model	Description	Width A	Thickness B	max.Length L	
T005 44 439 99 T005 44 439 10 T005 44 421 11	LT 4	Round tip sloped 45°, (1 piece) (10 pieces) (100 pieces)	Ø 1,2 mm		15,0 mm	
T005 44 408 99 T005 44 408 10 T005 44 408 11	LT F	Round tip sloped 45°, (1 piece) (10 pieces) (100 pieces)	Ø 1,2 mm		13,5 mm	
T005 44 487 99 T005 44 487 10	LT AA60	Round tip sloped 60°, (1 piece) (10 pieces)	1,6 mm	4,0 mm	13,0 mm	
T005 44 444 99 T005 44 444 10	LT BB60	Round tip sloped 60°, (1 piece) (10 pieces)	2,4 mm	4,0 mm	18,0 mm	
T005 44 484 99	LT BB45	Round tip sloped 45°, (1 piece)	2,4 mm			
T005 44 445 99 T005 44 445 10	LT CC60	Round tip sloped 60°, (1 piece) (10 pieces)	3,2 mm	6,0 mm	18,0 mm	
T005 44 485 99	LT CC45	Round tip sloped 45°, (1 piece)	3,2 mm			
T005 44 478 99 T005 44 478 10	LT DD45	Round tip sloped 45°, (1 piece) (10 pieces)	4,0 mm	6,0 mm	20,0 mm	
T005 44 486 99 T005 44 486 10 T005 44 486 11	LT DD45	Round tip sloped 45°, (1 piece) (10 pieces) (100 pieces)	4,6 mm			
T005 44 423 99 T005 44 423 10 T005 44 423 11	LT 1L	Conical long, (1 piece) (10 pieces) (100 pieces)	Ø 0,2 mm		26,4 mm	
T005 44 498 99	LT 1LNW	Conical long,chrome, unwetable, (1 piece)	Ø 0,1 mm			
T005 44 406 99 T005 44 406 10 T005 44 406 11	LT S	Conical long, (1 piece) (10 pieces) (100 pieces)	Ø 0,4 mm		21,0 mm	
T005 44 482 99 T005 44 482 10 T005 44 482 11	LT T	Conical long, (1 piece) (10 pieces) (100 pieces)	Ø 0,6 mm		13,0 mm	
T005 44 481 99 T005 44 481 10 T005 44 481 11	LT O	Conical long, (1 piece) (10 pieces) (100 pieces)	Ø 0,8 mm		17,0 mm	

Soldering Tips

Continuation page 165/166, further Soldering Tips for WP 80, WSP 80, MPR 80 and FE 75

Order-no.	Model	Description	Width A	Thickness B	max.Length L	
T005 44 424 99 T005 44 424 10 T005 44 424 11	LT 1LX	Conical long bent, (1 piece) (10 pieces) (100 pieces)	Ø 0,2 mm		26,4 mm	
T005 44 410 99 T005 44 410 10 T005 44 410 11	LT GW	Gullwing tip 45°, (1 piece) (10 pieces) (100 pieces)	Ø 2,3 mm	3,2 mm	18,8 mm	
T005 44 511 99 T005 44 511 10	LT GW	Gullwing tip 45°, (1 piece) (10 pieces)	Ø 3,5 mm	4,8 mm	18,8 mm	
T005 44 479 99 T005 44 479 10	LT KN	Knife tip, (1 piece) (10 pieces)	2,0 mm		16,5 mm	
T005 44 519 99	LT K	Gullwing tip 45°, (1 piece)	Ø 2,0 mm		16,5 mm	
T005 44 416 99		LT Measuring tip for Thermoelement, Ø 0,5 mm (1 piece)			13,0 mm	
T005 44 449 99		LT Screw with M4 outside thread (1 piece)			8,0 mm	
T005 87 207 81		ET-LT Adapter Soldering tips of the LT series fit with the adapter to soldering iron LR 21.				