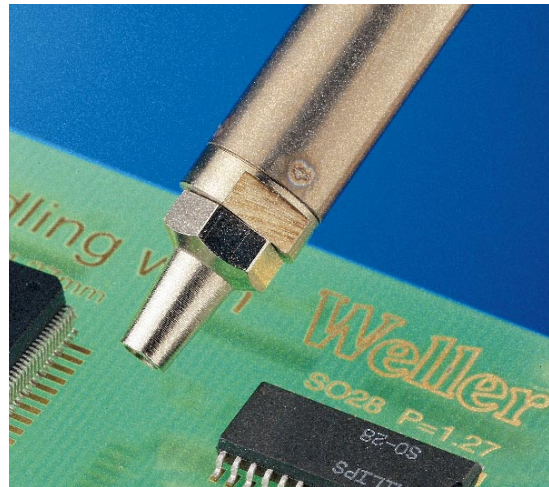


Hot air nozzles

The Weller D/Q nozzles (for HAP 1) and ND/NQ nozzles (for HAP 2, HAP 3) have a built-in plate for preheating the component bodies by means of contact heat. Approx. 1 mm wide slots are located around the plate to let out the hot air.

Please proceed as follows to select the nozzle suitable for your component. The nozzle dimensions given in the catalogue correspond to its inside dimensions. The air outlet slots have a width of approx. 1 mm; the dimensions of the plate are calculated from the nozzle dimensions minus the air outlet slots. Ensure that the component body is not larger than the plate, otherwise the air outlet will be obstructed. the hot air reaches the component leads directly



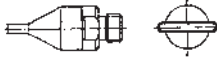




through the air outlet slots.

The difference between type D (dual) and Q (QUAD) nozzles is important. Type D hot air nozzles have air outlet slots on two opposite sides. The first dimension (A) given in the catalogue refers to the length of the heated side, dimension B is that of the unheated side. Type Q nozzles are designed for components with connections on all four sides, e.g. for PLCC's and QFP's.

As heat transfer for the reflow process does not take place through contact heat, the hot air nozzle does not have to "fit" exactly. A tolerance of a few tenths of a millimetre is quite normal when selecting a nozzle and does not impair the quality of the desoldering results.

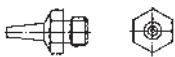
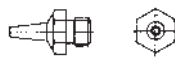







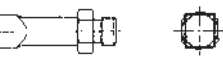




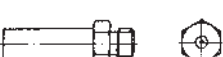
Hot air nozzles for use with: HAP 1

Model		Type	Dimensions A x B	Order-No.
FO2		Flat nozzle	8,0 x 1,5	5 87 277 74
FO4		Flat nozzle	10,5 x 1,5	5 87 277 73
FO6		Flat nozzle	12,5 x 1,5	5 87 277 72
FD2		Dual nozzle	ø 1,5 x 8,0	5 87 277 76
FD4		Dual nozzle	ø 1,5 x 10,0	5 87 277 75

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Hot air nozzles for use with: HAP 1

Model		Type	Component	Dimensions	Order-No.
R02		Round nozzle	-	ø 0,8	5 87 278 23
R04		Round nozzle	-	ø 1,2	5 87 278 21
R06		Round nozzle	-	ø 3,0	5 87 278 22
RC		Round nozzle, bent	-	ø 2,5	5 87 277 86
R1		Round nozzle	-	ø 2,5	5 87 277 87
2-sides heated (Type D)					
DC		Nozzle	SOP 16 SOP 16L SOP 20	10,5 x 10,5	5 87 277 79
DC		Nozzle	SOP 20	10,0 x 13,0	5 87 277 82
DC		Nozzle	SOP 24	15,0 x 10,0	5 87 277 81
D10		Nozzle	SOP20J SO 28	10,0 x 18,0	5 87 277 84
all 4 sides heated (Type Q)					
Q02		Nozzle	SO 6/8	6,0 x 6,5	5 87 277 77
Q04		Nozzle	SO 14	6,0 x 9,0	5 87 277 78
Q06		Nozzle	PLCC 28R PLCC 22R PLCC 18R	15,0 x 10,0	5 87 277 80
Q08		Nozzle	CLCC 32	12,5 x 15,0	5 87 277 83
Q10		Nozzle	PLCC 44 QFP 64/0,8P QFP 80/0,6P	18,0 x 18,0	5 87 277 85
R01		Measuring nozzle			5 87 278 08