

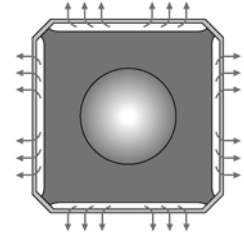
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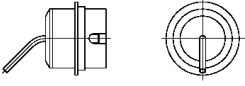
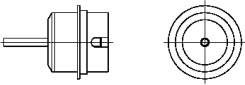
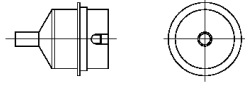
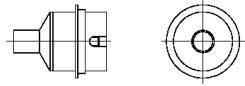
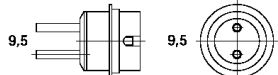
Hot air nozzles for Weller® WHA3000P, WHA300

Nozzle selection

To select a suitable nozzle for your application, observe the following:

1. The ND and NQ nozzles have an integrated pre-heating plate for pre-heating components by means of contact heat. Air outlet slots are located around the plate with a width of approx. 1 mm for the hot air.
2. The nozzle dimensions named in the brochure correspond to inside dimensions. The dimensions of the integrated pre-heating plate are calculated by subtracting the air outlet slot dimension from the nozzle dimensions.
3. Ensure that the component is not larger than the integrated pre-heating plate to avoid obstruction of the air outlet.
4. The type D (Dual) nozzles have air outlet slots on two opposing sides. Dimension designates the lengths of the heated side.
5. The type Q (Quad) nozzles have air outlet slots on all four sides.
As the transfer of heat for the reflow process is mainly by means of contact heat of the nozzle plate, the hot air nozzle must "fit" exactly. A tolerance of a few 0.1 mm during nozzle selection is perfectly acceptable and does not have a negative influence on desoldering quality.

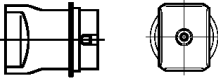
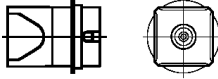
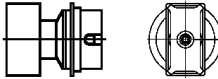
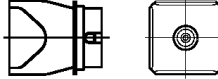
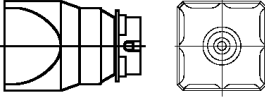
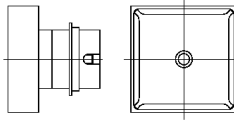
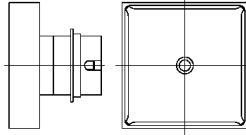


	Model	Dimensions	Components	Pitch/Grid	Weller Order No.
Round nozzles (type NR)					
	NR 02	∅ 1,7 x 4,5° bent (without vacuum)			0058736882
	NR 04	∅ 2,5 (without vacuum)			0058736881
	NR 05	∅ 4 mm (without vacuum)	SO 8	1,27 mm	0058736867
	NR 10	∅ 7 mm (without vacuum)			0058736870
	DR 05	2 x ∅ 2,5 x 9,5 mm (without vacuum)			0058736883



		Model	Dimensions X x Y	Components	Pitch/Grid	Weller Order No.
Two sides heated (type ND)						
		ND 05	10,7 x 10,7 mm	SO 14 SO 16	1,27 mm 1,27 mm	0058736843
		ND 10	14,0 x 10,0 mm	SOL 14 SOL 16 SOL 16-J SOL 20 SOL-J 20	1,27 mm 1,27 mm 1,27 mm 1,27 mm 1,27 mm	0058736842
		ND 15	19,0 x 12,0 mm	SOL 24 SOL-J 24 SOL 28 SOL-J 28	1,27 mm 1,27 mm 1,27 mm 1,27 mm	0058736841
		ND 20	21,5 x 14,8 mm	SOL 32	1,27 mm	0058736840
All 4 sides heated (type NQ)						
		NQ 05	10,7 x 10,7 mm	PLCC 20 LCCC 14 LCCC 24 C-QFP 24 QFP 84	1,27 mm 1,27 mm 1,27 mm 1,27 mm 0,50 mm)	0058736839
		NQ 10	14,8 x 14,8 mm	PLCC 28 QFP 44 LCCC 28 QFP 48	1,27 mm 0,80 mm 1,27 mm 0,75 mm	0058736818
		NQ 15	14,5 x 10,0 mm	PLCC 32R		0058736838
		NQ 20	15,5 x 13,0 mm			0058736837
		NQ 25	18,0 x 18,0 mm	PLCC 44 CLCC 44 PQFP 44 PQFP 60 QFP 64 QFP 60 TSOP 100 QFP 100	1,27 mm 1,27 mm 0,80 mm 0,80 mm 0,80 mm 0,65 mm 0,50 mm 0,50 mm	0058736814



	Model	Dimensions X x Y	Components	Pitch/Grid	Weller Order No.
	NQ 30	17,5 x 23,5 mm	QFP 56 QFP 60 QFP 64 QFP 80 QFP 88 QFP 100	1,0 mm 1,0 mm 1,0 mm 0,8 mm 0,65 mm	0058750721
	NQ 35	20,5 x 20,5 mm	PLCC 52 BQFP 84	1,27 mm 0,65 mm	0058736807
	SK 460/A	24,0 x 12,0 mm	Q-CPM-9401		0058736880
	NQ 40	26,0 x 26,0 mm	C-QFP 64 PLCC 68 CLCC 68	1,27 mm 1,27 mm 1,27 mm	0058736804
	NQ 45	31,3 x 31,3 mm	CLCC 84 PLCC 84 QFP 100 QFP 120 QFP 128 QFP 132 QFP 136 QFP 144 QFP 160 QFP 120 C-QFP 80 BQFP 164 BQFP 132 MQUAD 208L MQUAD 184L MQUAD 144L QFP 208	1,27 mm 1,27 mm 0,80 mm 0,80 mm 0,80 mm 0,65 mm 0,65 mm 0,65 mm 0,65 mm 0,65 mm 0,35 mm 1,27 mm 0,65 mm 0,65 mm 0,50 mm 0,65 mm 0,50 mm 0,50 mm	0058736833
	NQ 50	36,0 x 36,0 mm	QFP 240	0,50 mm	0058736891
	NQ 55	43,0 x 43,0 mm	CQFP 304	0,50 mm	0058736890