

Suitable for
Lead Free

Durable

Heavy Duty Soldering Irons & Solder Pots

by ZEVATRON
Germany



**Solder
Pots & Baths
with very long life**

Long Lasting Soldering Irons

These heavy duty soldering irons are especially useful in applications where large heat reserves are required.

Long service life is achieved mainly by casting the heating elements into the aluminium bodies for protection from mechanical damage and ingress of corrosive fumes.

Intended for continuous use, typical applications include tinning of bare and lacquered wires and terminals.

Solder pots and solder baths are manufactured, using particularly durable solder containers made from special steel alloy or cast iron.

The heating elements are again cast into the aluminium bodies to ensure very long dependable service.

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Heavy Duty Soldering Irons

Three basic shapes of soldering irons are available: Straight (G), Angled (P) and Hammer Head (H).

Sizes vary to suit different Soldering Bits in the diameter range from 6 to 30mm.

There are unregulated irons with maximum temperatures between 400 and 500°C and regulated (T) ones to 600°C. Wattages range from 50 to 500W.

Size (mm)/ Type/Bit Dia	6	7.5	9.5	15	19.5	30
G	50W		110W			
P	70W	80W	110W	180W	280W	450W
H	70W	75W	110W	180W	280W	450W
GT			250W			
HT			250W	400W	500W	

For the unregulated versions a simple power reducer (similar to a lighting dimmer) is available to influence the power input and thus, together with the position of the soldering bit in its holder, the tip temperature.

Soldering Bits, made from pure copper, to suit the different diameters above are available in several tip formations and as standard (Nickel plated) and Long Life versions.

The Long Life version boasts a 10 to 20 fold increase in useful life, which is achieved by a homogeneous and elastic tip coating of iron with tin covering; the rest of the soldering bit is chromium plated. There is no need to reshape the tips of Long Life Soldering Bits.

ZEVATRON's experience in manual soldering applications over many years and the unusual applications encountered, such as the welding of plastics, dehorning of cattle and the manufacture of stained glass windows, is available to assist in solving specific manufacturing challenges. We will also gladly quote for special sizes and configurations of Soldering Irons and Solder Pots / Solder Baths.

Solder Pots / Solder Baths

The three versions of solder pots and baths can be differentiated by the way their temperatures are controlled, apart from their shapes and sizes:

Unregulated (U) versions maintain a temperature of around 500°C, built in voltage regulation (R) allows a lowering of the settled temperature and the temperature regulated ones (T) rely on electronic, closed loop control to precisely maintain the desired temperature.

Dia(s)/ Depth (mm)/ Type/Solder(kg)	1 35 2 68 3 0.5	3 58/30 4 80 5 0.5	6 124/90 7 78 8 4.5	11 125/108 12 90 13 7.0	14 192/163 15 100 16 18.0
U	200W	300W			
R	200W	300W			
T	220W	300W	1200W	1300W	2500W
Area/ Depth (mm)/ Type/Solder(kg)	1 100x100 2 40 3 3.7	1 240x45 2 35 3 3.0	1 250x55 2 60 3 6.5	1 315x43 2 30 3 3.2	1 380x50 2 60 3 8.0
T	1600W	800W	800W	1200W	1600W
Area/ Depth (mm)/ Type/Solder(kg)	2 255x105 3 45 4 9.0	2 330x105 3 60 4 14.0	2 380x150 3 40 4 18.0	2 385x155 3 60 4 26.0	2 250x205 3 60 4 21.0
T	2400W	2000W	2400W	3000W	3200W
Area/ Depth (mm)/ Type/Solder(kg)	1 385x20 2 70 3 38.0	1 12x245 2 40 3 28.0	1 55x100 2 55 3 27.0	1 460x320 2 40 3 47.0	
T	3200W	4800W	2400W	5400W	

Solder Baths from 100x100mm are supplied fully insulated and with a stainless steel housing.

Also available is a bench top unit, containing a small insulated solder pot 35mm diameter, 68mm depth, with a capacity of approx 0.55kg of solder, with digital temperature control, cooling fan and motorised dross (oxide) wiper. This is particularly useful for tinning of contacts and wires in a production environment.