

KOCO-Stud Welding with Tip Ignition

Highlights:

- Suitable for welding steel, stainless steel, aluminium and brass
- Welds studs from 3 to 10 mm diameter
- Continuously adjustable charging voltage
- Digital display of charging voltage
- Weighs 12 kgs only
- Intelligent self-diagnosis system

Significant advantages of this process:

- Ultra-fast welding of studs and pins up to 10 mm diameter on sheet metal from 0.5 mm thickness
- Fastening of studs without punching, drilling, locking, threading, riveting, etc.
- Complete cross-sectional connection between stud and work-piece
- No damage or only insignificant damage to the reverse-side, no leakage in containers
- Virtually no distortion of the work-piece through welding
- Modest mains input requirements, no necessity for a three-phase power supply
- No filler material required
- A wide range of material combinations possible



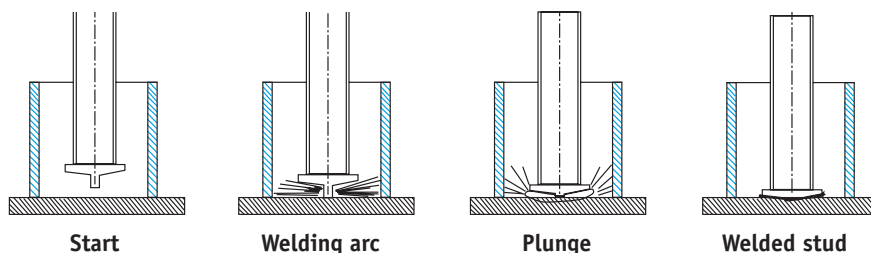
STUD WELDING UNITS KST 10, KST 9

UNITS & GUNS

Capacitor discharge stud welding units:	KST 10	KST 9
Weldable stud range (mm Ø)	3 - 10	3 - 8
Weld rate (pieces studs .../min)	M 10/8, M 6/15	M 8/10, M 6/15
Capacitance (µF)	88000	66000
Mains connection (V)	230	230
Charging voltage (V)	40 - 200	40 - 200
Mains fusing, time-lag (A)	3.15	3.15
Frequency (Hz)	50/60	50/60
Power consumption (W)	690	690
Dimensions (LxWxH mm)	415x225x305	415x225x305
Weight (kg)	12	11.3
Protection	IP23	IP23
Protection class	1	1
Cooling (Option)	E (F)	E (F)
Working temperature range (°C)	0 - 50	0 - 50

Capacitor discharge stud welding guns:	ESP 10 S	ESP 10 K
Process variants	with gap	with contact
Welding/control cable (length) (m)	5	5
Body POM	black	black
Length (excluding chuck) (mm)	185	185
Body Ø app. (mm)	50	50
Height (including handle) (mm)	150	150
Weight excluding cables app. (kg)	0.9	0.9

Welding operation:



S Welding under increased electrically hazardous conditions permissible, CE-Labeling according to EN 60974-1 etc.
Update 01.05.2004. Subject to technical modifications.