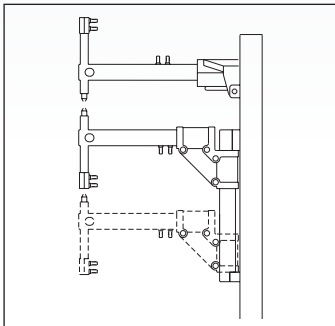




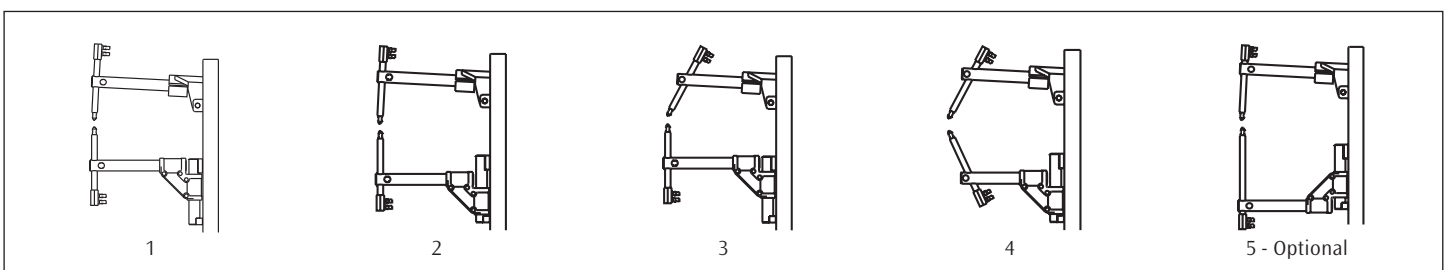
ROCKER ARM SPOT WELDERS WITH ADJUSTABLE HEIGHT LOWER ARM

The K and KP series resistance spot welders, versatile, robust and easy-to-use, ensure best welding results on all weldable metals and represent the ideal solution in a large variety of spot-welding applications. K's and KP's allow to adjust lower arm both in height and also laterally. K models are mechanical pedal operated, whilst KP's are pneumatically operated by an electric pedal.



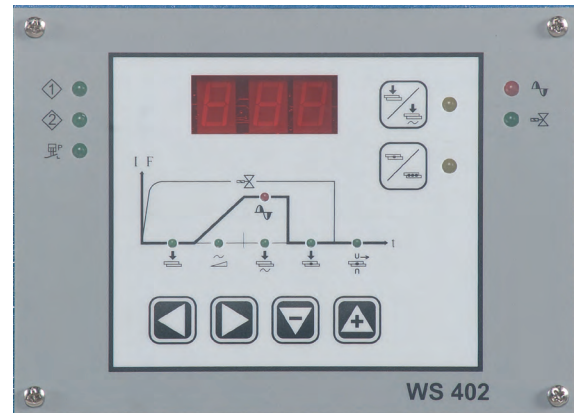
- ▶ Excellent welding on all weldable metals
- ▶ Welding current and time electronic adjustments
- ▶ Synchronous ignition SCR group with phase shift welding current adjustment to eliminate initial transient
- ▶ Reduced consumption
- ▶ Water cooled arms

- ▶ Water cooled copper electrodeholders with adjustable height
- ▶ Self-lubricated pneumatic components to eliminate oil deposits and to safeguard the environment from contaminants (KP)
- ▶ High versatility thanks to all different possible work configurations
- ▶ Lower arm with adjustable height which can be rotated for use with a longer electrodeholder (Optional K/KP fig.5)



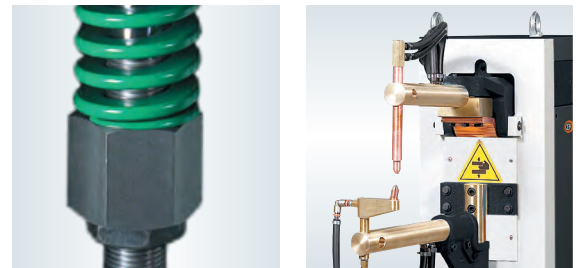
WS 402 ELECTRONIC CONTROL

- ▶ Welding time adjustable by periods
- ▶ Single or repeated spotting facility
- ▶ Automatic compensation of mains voltage fluctuation
- ▶ Error display during the welding cycle
- ▶ Weld/no Weld selector key
- ▶ 24 V DC supply solenoid valve
- ▶ 50/60 Hz frequency automatic identification
- ▶ 24 V AC supply electronic control
- ▶ 2 welding program (2 times 2 currents) facility by using a double pedal (optional)



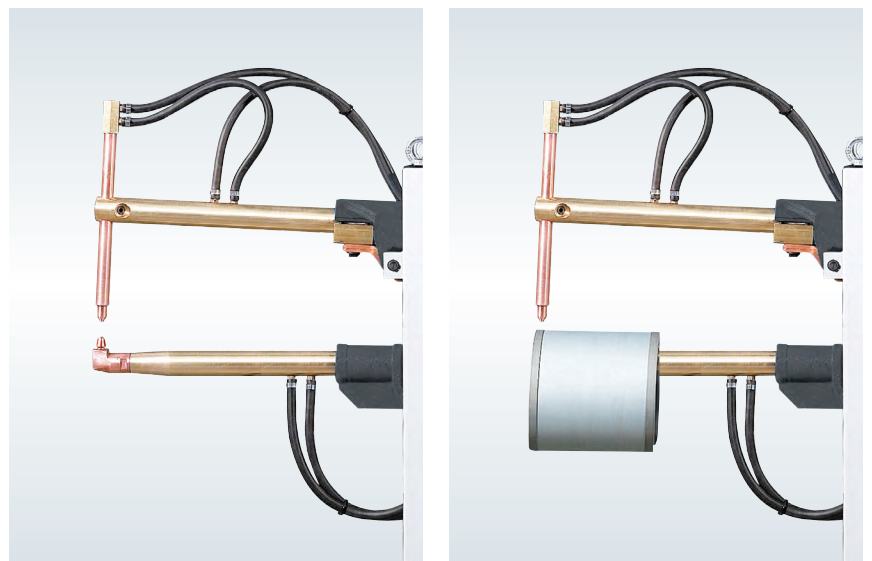
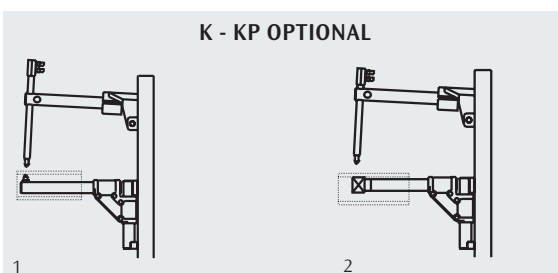
K - KP		FUNCTIONS	WS 402
	a	Squeeze time	•
		Pressure contact	•
	b	Slope up time	•
	$c_1 - c_2^*$	Welding time	•
	$i_1 - i_2^*$	Welding current	•
	d	Holding time	•
	e	Pause time	•
* $i_2 - c_2$ available only whenever using a double pedal			

- ▶ Electrode force adjustable by spring nut and, for KP, also by air pressure regulation manometer
- ▶ Easy electrode gap adjustment without moving the electrodeholders



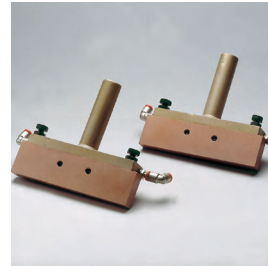
K – KP LOWER ARM FITTED WITH PRESSED-IN ELECTRODE

Whenever the lower arm is fitted with a pressed-in electrode, also a long electrodeholder is necessary on the upper arm.



ACCESSORIES

- ▶ IR 14 water cooling equipment (only for K / KP 22 and 28)
- ▶ Special electrodes (on request)
- ▶ 65 mm offset electrode holders
- ▶ Long electrode holders
- ▶ Barholders with 100 mm bars
- ▶ Possibility of a two-step pedal: squeeze without welding and welding after pressing the second step
- ▶ Possibility of a double pedal for quick use of two different welding programs



K - KP			K 22 KP 22	K 28 KP 28	K 48 KP 48	
	A	mm	455	455	490	
	A (Optional)	mm	600	600	700	
		mm	800	800	1000	
	B	MIN.	mm	173	168	163
		MAX.	mm	410	443	438
	C	mm	255	255	285	
		Ø mm		40	45	50
	Ø mm		21	21	25	
	Ø mm		16	16	16	
			10%	10%	10%	

			K 22 KP 22	K 22 KP 22	K 28 KP 28	K 28 KP 28	K 48 KP 48	K 48 KP 48	K 48 KP 48
	A	mm	455	600	455	800	490	700	1000
	L1	mm	252	397	252	597	257	467	767
	Ø1 Min	mm	60	60	63	63	65	65	65
	L2	mm	280	429	289	643	295	505	805
	Ø2 Min	mm	85	85	90	90	98	98	98
	L3	mm	397	542	402	747	427	637	937
	Ø3 Min	mm	180	180	185	185	205	205	205

TECHNICAL DATA			K 22 KP 22	K 28 KP 28	K 48 KP 48
Single phase input 50/60 Hz		V	400	400	400
Rated power at 50%		kVA	20	25	45
Max. welding power		kVA	36,5	54,7	75
Installed power		kVA	12	14	24
Cross section connecting cables		mm ²	10	16	25
Delayed fuse		A	25	36	63
Open Circuit Voltage		V	3,5	4,2	5,2
Short circuit current		kA	11,6	14	17,8
Max. welding current		kA	9,3	11,2	14,2
Max. electrode force (6 bar)		daN	180	300	280
Water consumption at 300 kPa (3 bar)		l/min	3,8	3,8	3,8
Dimensions	↗ mm		980	980	1020
	→ mm		330	390	390
	↑ mm		1200	1250	1250
Weight		kg	120	167	194

Other voltages on request - Technical features might change without notice