

Buttwelding machines with STRECKER dual upset method

For flashfree welds on steel wires or profiles

The integrated automatic deburring cycle allows to achieve
welded joints having the same diameter as the original material

All units available with Full Parameter Control (FPC)



Type SS80-FPC



Type SS20-FPC



Type SS120-FPC

Welding of steel wires

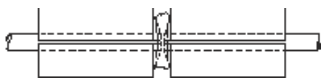
abt. 100 per cent strength of the weld

Type		SS20	SS40	SS80	SS120	SS160	SMK160	SMK220
KVA	nominal	20	40	80	120	160	160	220
wire	Ø [mm]	4 - 14	5 - 17	6 - 23	8 - 30	10 - 35	10 - 47	15 - 60
strip	[mm ²]	12 - 150	19 - 220	38 - 400	50 - 700	78 - 900	78 - 1.700	176 - 2.800
minimum thickness	[mm]	1,5	2	2	2	2	3	3
maximum width	[mm]	30	25 (40)	25 (40)	35 (48)	35 (48)	55 (75)	55 (75)
max. relation thickness / width		1/20	1/20	1/20	1/24	1/24	1/25	1/25
weight	[kg]	1.200	1.250	1.300	1.700	2.200	2.200	2.800

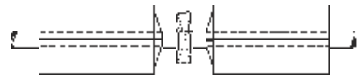
Operating diagram of a SS / SMK weld



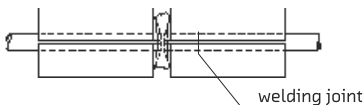
clamping wire ends before welding



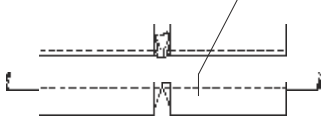
after welding and second upset cycle



position before removal . . .
. . . and after deburring



welding joint



flash ring is torn apart

Machines starting at 100 kVA nominal capacity are available with a medium frequency transformer, or with a 3phase AC transformer (3P) alternatively. This allows symmetrical load dispatching to the phases with abt. 40 per cent less supply system loading.

FPC (Full Parameter Control)

central control and administration of all welding parameters



automatic deburring

burr free welds on wires and solid conductors



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