

STRECKER

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)



SS 80-FPC



SS 20-FPC



SS 120-FPC

STRECKER

Welding of steel wires

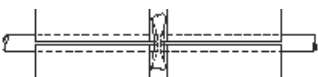
abt. 100 per cent strength of the weld

Type		SS 6	SS 20	SS 40	SS 80	SS 120	SS 160	SMK 160	SMK 220
KVA	nominal	6	20	40	80	120	160	160	220
wire	Ø [mm]	3 - 9 (1.5 - 9)	4 - 14	5 - 17	7 - 23	8 - 30	10 - 35	10 - 47	15 - 60
strip	[mm ²]	7 - 60	12 - 150	19 - 220	38 - 400	50 - 700	78 - 900	78 - 1,700	176 - 2,800
	minimum thickness [mm]	1,5	1,5	2	2	2	2	3	3
	maximum width [mm]	30	30	25 (40)	25 (40)	35 (48)	35 (48)	55 (75)	55 (75)
	max. relation thickness / width	1/20	1/20	1/20	1/20	1/24	1/24	1/25	1/25
weight	[kg]	550	1,200	1,250	1,300	1,700	2,200	2,200	2,800

Operating diagram of a SS / SMK weld



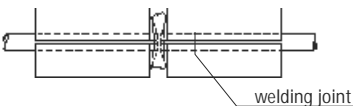
clamping wire ends before welding



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



STRECKER

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