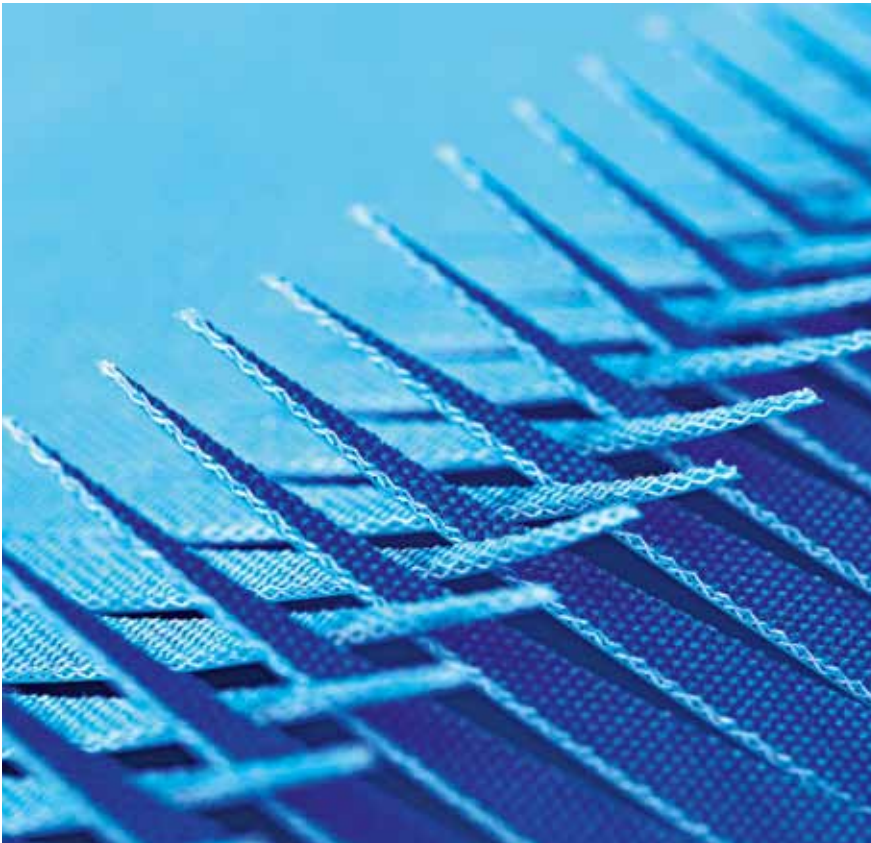


Splicing equipment



Development, manufacture
and sales by:

Müssel Maschinenbau GmbH
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www.muessel.com



By working closely with Forbo Movement Systems Müssel Maschinenbau GmbH has developed innovative and practical equipment for all splicing methods. The tools complement one another and guarantee efficient and durable splices due to:

- high-quality equipment with all the accessories;
- a wide range of services (leased tools, repair service...).

Forbo Movement Systems provides detailed splicing instructions specific to the process and material concerned.

Contents

Preparation tools

– Splitting/peeling	2
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Splicing tools

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Splitting/peeling preparation tools

Portable tools for splitting, peeling or bevelling belts in a wedge shape.
With adjustable drive rollers, depth stops and tempered blades.



PS-PM-110/V; splitting and peeling machine

Areas used

- for all conveyor and processing belts to be made endless with wedge, overlap and Z-splices (double, triple and multi-layer types as well as NOVO);
- for unlimited belt widths;
- belt thickness regardless of type to 7 mm max.;
- can be used in all industries/segments.

Tools

PS-WD-70/V:

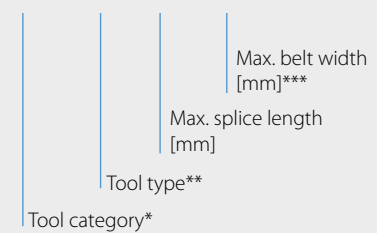
Basic tool with table stand, blade retainer, blades and setting gauge. Optionally available with drive motor.

PS-PM-110/V:

Basic tool with layer-peeling blade, splitting blade, timer and multi-voltage 3 x 400 V/50 Hz and 3 x 220 V/60 Hz motor.

Type key

PS - WD - 70 / V



- * PS = splitting/peeling preparation tools
- ** WD = wedge peeling device
- PM = peeling machine
- *** V = unlimited

Type designation		PS-WD-70/V	PS-WD-70/V with AE	PS-PM-110/V
		Manual wedge peeling device	Wedge peeling device	Peeling and splitting machine
Technical info				
Dimensions (LxWxH)	[mm]	380x380x430	350x 460x295	400x500x370
Weight	[kg]	25.6	36	55
Voltage	[V]	–	3 x 400/3 x 220	3 x 400/3 x 220
Capacity	[W]	–	370	370
Maximum belt width 90°	[mm]	unlimited	unlimited	unlimited
Maximum belt thickness	[mm]	7	7	6

Further details on request. Subject to change.

Grinding preparation tools

Portable tools, with or without drive motor for grinding belting material at splicing angles of 60° and 90°. Depending on type hand-held or with a grinding shaft with bearing.



PG-GM-V/130 (without drive motor)

Areas used

- wedge-shaped grinding of belts and belt ends;
- belt thickness of 8 mm max.;
- belt widths up to 130 mm or 230 mm (tool) or unlimited (hand-held);
- can be used in all industries/segments.

Accessories required

- Wedge segments
- Brushes

Tools

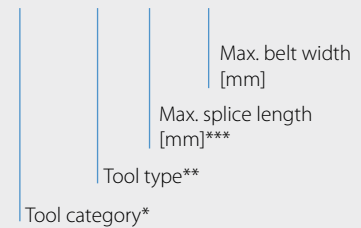
PG-HG-V/V:
Hand-held grinding tool without brush.

PG-GM-V/130:
Grinding machine without wedge segments. Available optionally with drive motor.

PG-GM-V/230-T:
Grinding machine for hand-held drill.

Type key

PG - GM - V / 130



- * PG = grinding preparation tools
- ** GM = grinding machine
- HG = hand-held grinding tool
- *** V = unlimited

Type designation		PG-HG-V/V	PG-GM-V/130	PG-GM-V/130 with AE	PG-GM-V/230-T
		Hand-held grinding tool	Grinding machine	Grinding machine	Grinding machine
Technical info					
Dimensions (LxWxH)	[mm]	300x80x65	180x235x160	330x600x210	450x510x240
Weight	[kg]	2.2	7	21	15.5
Voltage	[V]	230	–	3x400+3x220	–
Capacity	[W]	280	–	370	–
Maximum belt width 90°	[mm]	unlimited	130	130	230
Maximum belt width 60°	[mm]	unlimited	50	50	100

Further details on request. Subject to change.

Punching preparation tools

Manually operated punching presses with replaceable sets of punching blades for different types of Z splices. For belt widths up to 150 mm with fixed belt-edge depth stops, hold-down bars and replaceable punching bases. For belt widths up to 1500 mm max. with adjustable punching head and toothed section.



PP-ZP-V/150-6

Areas used

- for preparing Z splices and Z overlap splices depending on type;
- belt thicknesses depend on type up to 6 mm max.;
- belt widths depending on type;
- can be used in all industries/segments;
- shape of splices depends on type.

Accessories required

- various sets of punching sets;
- various hold-down bars;
- adhesive tape;
- punching template for hand-operated cutting block

Tools

PP-HP-35/V; PP-HP-70/V; PP-HP-110/V:
Hand-operated cutting block including blades without stencils.

PP-ZC-35/120-3:
Hand-Z-shears with punching plate and tensioning clamp.

PP-ZP-V/40-3; PP-ZP-V/80-3:
Manual Z-punching press without punching sets.

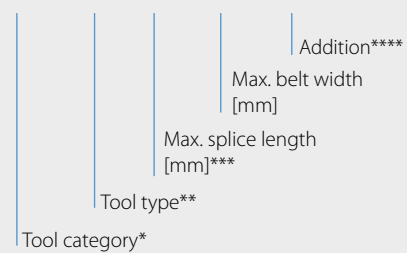
PP-ZP-V/80-6; PP-ZP-V/150-6:
Manual Z-punching press without punching sets and without hold-down bars.

PP-ZPB-V/300-1500:
This Z-punching press consists of a basic frame (available in widths of 300 mm to 1500 mm) and a punching head (standard or allround).

In addition to the manual punching presses Müssel Maschinenbau GmbH also supplies pneumatic workshop punching presses.

Type key

PP - ZP - V / 40 - 3



- * PP = preparation tools for punching
- ** HP = hand-operated cutting block
- ** ZP = Z-punching press
- *** V = variable
- ZC = Z-cutting tool
- **** 3 = belt thickness [mm]
- ZPB = Z-basic punching press
- H = hydraulic
- ZPT = Z-punching table/basic frame

Punching preparation tools

Hand-operated punching presses

Type designation		PP-HP-35/V	PP-HP-70/V	PP-HP-110/V	PP-ZC-35/120-3
		Hand-operated cutting block	Hand-operated cutting block	Hand-operated cutting block	Hand-Z-shears
Technical info					
Dimensions (LxWxH)	[mm]	170x80x15	170x80x15	210x80x15	215x60x55
Weight	[kg]	0.4	0.4	0.5	1.3
Maximum belt width	[mm]	unlimited	unlimited	unlimited	120
Maximum belt thickness	[mm]	4	4	4	3.2
Splice angle		90°	90°	90°	90°
Splice type		Z 35x11.5	Z 70x11.5	Z 110x11.5	Z 35x11.5, Z 35x5.75

Punching presses width ≤ 150 mm

Type designation		PP-ZP-V/40-3	PP-ZP-V/80-3	PP-ZP-V/80-6	PP-ZP-V/150-6
		Manual Z-punching press	Manual Z-punching press	Manual Z-punching press	Manual Z-punching press
Technical info					
Dimensions (LxWxH)	[mm]	185x205x265	290x200x250	440x210x360	500x210x360
Weight	[kg]	2.1	5.5	16.0	18.5
Maximum belt width	[mm]	40	80	80	150
Maximum belt thickness	[mm]	3.2	3.2	6	6
Splice angle		90°	90°	90°	90°
Splice type		Z 35x5.75; Z 35x11.5 Z 70x11.5; 110x11.5	Z 35x5.75; Z 35x11.5 Z 70x11.5; 110x11.5	Z 35x5.75; Z 35x11.5 Z 70x11.5; 110x11.5	Z 35x5.75; Z 35x11.5 Z 70x11.5; 110x11.5

Punching presses width > 150 mm

Type designation		PP-ZPB-V/300 – 1500
		Allround punching head or standard punching head
Technical info		
Dimensions (LxWxH)	[mm]	450xXXx520 with handle
Weight	[kg]	Depends on basic frame
Maximum belt width	[mm]	300 – 1500
Splice angle		90°/60°
Splice type		Z 35x5.75, Z 35x11.5 (also Z-overlap) Z 70x11.5 (also in 60°), Z 110x11.5

Further details on request. Subject to change.



PP-ZPB-V/600

Preparation tools for punching timing belts

Manually operated timing-belt punching presses for preparing 70 x 11.5 mm Z splices on timing belts and flat belts for belt widths of 150 mm max. The following standard timing belts can be punched: T5, T10, T20, AT5, AT10, AT20, HTD8M, HTD14M, L and H.



PP-ZP-V/80-10-Z

Areas used

- to prepare 70 x 11.5 mm Z splices;
- for timing-belt thickness up to 10 mm max.;
- for timing-belt widths to 150 mm max.;
- Timing belt types: T5, T10, T20, AT5, AT10, AT20, HTD8M, HTD14M, L, H;
- with an add-on package also suitable for flat belts.

Possible accessories

- Add-on package for flat belts without metal cords

Tools

PP-ZP-V/80-10-Z; PP-ZP-V/150-10-Z: Manual Z-punching press incl. steel punch-cutting plate, hold-down bar for timing belts, sets of profile guide rails (T5, T10, T20, AT5, AT10, AT20, HTD8M, HTD14M, L, H), punching set 70 x 11.5 left and right, 1 set of blades, screwdriver and side cutter.

Please note: Due to the metal cords in the timing belts the blades used are subjected to greater wear and tear. Which is why our new blades are more affordably priced and the punching press holders have been redesigned to make replacing the blades faster and easier.

Type key

PP - ZP - V / 80 - 10 - Z



- * PP = preparation tools for punching
- ** ZP = Z-punching tool
- *** V = variable
- **** Z = timing belts

Type designation		PP-ZP-V/80-10-Z	PP-ZP-V/150-10-Z
		Timing belt punching press	Timing belt punching press
Technical info			
Dimensions (LxWxH)	[mm]	440x255x360	510x265x390
Weight	[kg]	17.5	37.7
Maximum belt width 90°	[mm]	80	150
Maximum belt thickness	[mm]	10	10
Splice angle		90°	90°
Splice type		Z – 70x11.5	Z – 70x11.5

Further details on request. Subject to change.

Bonded splice tools

Heating presses with heating on one side for bonded splices. The top of the heating presses includes a control light and a thermostat to regulate the temperature of the heating platens. A hold-down bar that can be removed on one side is integrated in the bottom of the press.



SB-HP-160/100

Areas used

- for bonded splices with heating on one side and temperatures adjustable to 110°C;
- for belt widths depending on type between 50 mm max. and 1000 mm max.;
- can be used in all industries/segments.

Tools

SB-HP-120/50:

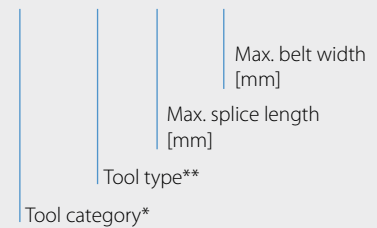
Heating press with integrated thermostat incl. thermometer, heat-resistant film, soft pad and pressure equalising metal sheet.

SB-HP-160/100:

Heating press with integrated thermostat incl. thermometer, heat-resistant film, soft pad and equalisation sheet and pressure equalising metal sheet.

Type key

SB - HP - 120 / 50



* SB = bonded splice tools

** HP = heating press

Possible accessories

- Timer

Type designation		SB-HP-120/50	SB-HP-160/100
		Heating press	Heating press
Technical info			
Dimensions (LxWxH)	[mm]	250x105x85	325x180x190
Heating-platen length	[mm]	120	160
Maximum belt width 60°	[mm]	50	100
Weight	[kg]	2.1	8.5
Voltage	[V]	230/110	230/110
Capacity	[W]	200	400
Maximum heating temperature	[°C]	110	110
Heating-up time	[mins]	10	6

Further details on request. Subject to change.

Melt splicing tools

Heating clamps with heating on two sides for melt splices. The temperature can be adjusted variably using a temperature switch or with a set target temperature. The surface pressure is generated via a tension lever or a thread (only SMX-HC-140/40).

Simple and ergonomic to handle with splicing guides in different widths.



SMX-HC-140/40

Areas used

- for all melt splices; with heating on both sides and temperatures adjustable to 210°C;
- for belt thickness between 0.5 and 3 mm, depending on type also to 4 mm;
- for belt widths depending on type between 40 mm max. and 120 mm max.;
- developed for the paper and printing industry, but can be used in all industries/segments.

Possible accessories

- Cooling clamps for rapid cooling
- Splicing guides for inserting the belting material to be spliced
- Clips for affixing the belt in the splicing guide
- Tool case, optionally with and without foam insert for heating clamps, punching tools and accessories

Tools

SM-HC-.../...:

Heating clamp without splicing guides, clips and cooling clamp. Available as:

- V-versions with adjustable temperature control to 210°C max.
- F-versions with fixed target temperature of 190°C.

SMX-HC-140/40:

Heating clamp without splicing guides, clips and cooling clamp.

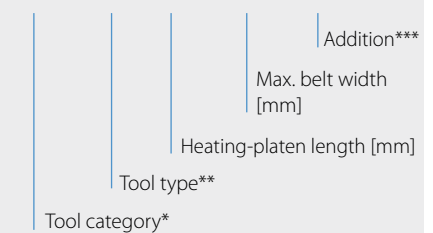
SMX-HC-65/120:

Heating clamp without clamping plate, pressure platen and cooling clamp.

The heating clamps are also available in a tool set or an assembly set (see page 13).

Type key

SM - HC - 50 / 40 - V



- * SM = melt splice tools
- ** HC = heating clamp
- *** V = variable target temperature
- F = set target temperature

Melt splicing tools

Type designation	SM-HC-50/40		SM-HC-50/60	
	Heating clamp type V	Heating clamp type F	Heating clamp type V	Heating clamp type F
Technical info				
Dimensions (LxWxH)	[mm] 220x60x100		230x100x100	
Length of heating platens	[mm] 50		50	
Maximum belt width	[mm] 40		60	
Maximum belt thickness	[mm] 0.5 to 3		0.5 to 3	
Weight	[kg] 1.8		1.8	
Voltage	[V] 230/110		230/110	
Capacity	[W] 2x80		2x100	
Heating-up time to 190°C	[mins] approx. 4		approx. 4	
Heating temperature	infinite to 210°C	constant 190°C	infinite to 210°C	constant 190°C
Splice max.	Z – 35		Z – 35	

Type designation	SM-HC-50/80		SM-HC-80/60	
	Heating clamp type V	Heating clamp type F	Heating clamp type V	Heating clamp type F
Technical info				
Dimensions (LxWxH)	[mm] 250x60x100		230x100x100	
Length of heating platens	[mm] 50		80	
Maximum belt width	[mm] 80		60	
Maximum belt thickness	[mm] 0.5 to 3		0.5 to 3	
Weight	[kg] 2		2.2	
Voltage	[V] 230/110		110 – 230	
Capacity	[W] 2x130		2x200	
Heating-up time to 190°C	[mins] approx. 4		approx. 4	
Heating temperature	infinite to 210°C	constant 190°C	infinite to 210°C	constant 190°C
Splice max.	Z – 35		Z – 70	

Type designation	SMX-HC-65/120	SMX-HC-140/40
	Heating clamp	Heating clamp
Technical info		
Dimensions (LxWxH)	[mm] 350x75x110	170x200x230
Length of heating platens	[mm] 65	140
Maximum belt width	[mm] 120	40
Maximum belt thickness	[mm] 0.5 to 3	0.5 to 4
Weight	[kg] 3	4.2
Voltage	[V] 230/110	230/110
Capacity	[W] 2x200	2x500
Heating-up time to 190°C	[mins] approx. 10	approx. 3
Heating temperature (V design)	infinite to 210°C	infinite to 210°C
Splice max.	Z – 35	Z – 110



SM-HC-50/40-V

Further details on request. Subject to change.

Melt splicing tools

Heating presses with heating on two sides for melt splices. A robust and modular press design. Flat-milled heating platens with short heating-up times and ideal temperature distribution. Can be water cooled.

Heating temperatures up to 200 °C max. Surface pressure generated mechanically or pneumatically using a pressure hose. Hold-down bars are integrated, but can be removed if required.

In the future the temperature will be monitored with integrated thermo-sensors in the heating platens ("-Pi" = pressure; integrated thermo-sensors) and a separate measurement device.



SM-HP-120/150

Areas used

- for all melt splices of driving belts and belts;
- belt thicknesses depending on type;
- belt widths depending on type between 60 mm max. and 4000 mm max.;
- can be used in all industries/segments.

Possible accessories

- Control units
- Portable cooling devices
- Accessory sets for mechanical heating presses for splicing belts and belts with longitudinal profiles
- Silicone embossing mats

Tools

Mechanical heating presses:

SM-HP-120/130, SM-HP-120/200, SM-HP-120/310, SM-HP-120/150.

Pneumatic heating presses:

For splicing lengths up to Z-70:

SM-HP-120/300-P, SM-HP-120/750-P, SM-HP-120/1250-P, SM-HP-120/2000-P.

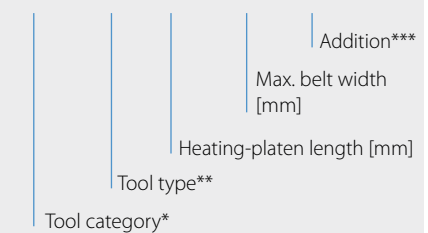
For splicing lengths up to Z-110:

SM-HP-180/500-P, SM-HP-180/1000-P, SM-HP-180/1500-P, SM-HP-180/1500-LP, SM-HP-180/2250-LP, SM-HP-180/3000-P, SM-HP-180/3000-P, SM-HP-180/3500-P, SM-HP-180/4000-P.

The pneumatic heating presses are supplied with standard accessories.

Type key

SM - HP - 120 / 300 - P



* SM = melt splice tools

** HP = heating presses

*** P = pneumatic

Mechanical heating presses

Type designation	SM-HP-120/130	SM-HP-120/200	SM-HP-120/310	SM-HP-120/150
	Heating press	Heating press	Heating press	Heating press
Technical info				
Dimensions (LxWxH)	[mm] 185 x 250 x 150	190 x 360 x 150	190 x 470 x 150	300 x 290 x 220
Length of heating platens	[mm] 120	120	120	120
Maximum belt width	[mm] 130	200	310	150
Weight	[kg] 5.5	6.1	8.5	13.2
Voltage	[V] 230/110	230/110	230/110	230/110
Capacity	[W] 2 x 350	2 x 500/2 x 400	2 x 800/2 x 400	2 x 300
Heating temperature max.	[°C] 200	200	200	200
Heating-up time	[mins] 8	6	6	18
Water cooling possible	yes	yes	yes	yes
Splice max.	Z - 70	Z - 70	Z - 70	Z - 70

Further details on request. Subject to change.

Melt splicing tools

Pneumatic heating presses

Type designation		SM-HP-120/300-P	SM-HP-120/750-P	SM-HP-120/1250-P	SM-HP-120/2000-P
		Heating press	Heating press	Heating press	Heating press
Technical info					
Dimensions (LxWxH)	[mm]	270x560x330	270x1010x350	270x1510x425	315x2260x510
Length of heating platens	[mm]	120	120	120	120
Maximum belt width	[mm]	300	750	1250	2000
Weight	[kg]	25	62	83	162
Voltage	[V]	230/110	230/110	3x400/3x220	3x400/3x220
Capacity	[W]	2x1000	2x1800	2x3250	2x4000
Heating temperature max.	[°C]	200	200	200	200
Air pressure	[bar]	5	5	5	5
Heating-up time	[mins]	9	9	10	10
Water cooling possible		yes	yes	yes	yes
Splice max.		Z – 70 and Z-overlap	Z – 70 and Z-overlap	Z – 70 and Z-overlap	Z – 70 and Z-overlap

Type designation		SM-HP-180/500-P	SM-HP-180/1000-P	SM-HP-180/1500-LP	SM-HP-180/2250-LP
		Heating press	Heating press	Heating press	Heating press
Technical info					
Dimensions (LxWxH)	[mm]	440x650x320	440x1260x440	440x1800x520	440x2520x520
Length of heating platens	[mm]	180	180	180	180
Maximum belt width	[mm]	500	1000	1500	2250
Weight	[kg]	65	130	185	350
Voltage	[V]	230/110	3x400/3x220	3x400/3x220	3x400/3x220
Capacity	[W]	2x1250	2x2250	2x3250	2x3300
Heating temperature max.	[°C]	200	200	200	200
Air pressure	[bar]	7	7	5	5
Heating-up time	[mins]	18	20	20	20
Water cooling possible		yes	yes	yes	yes
Splice max.		Z – 110 and Z-overlap	Z – 110 and Z-overlap	Z – 110 and Z-overlap	Z – 110 and Z-overlap

Type designation		SM-HP-180/3000-P	SM-HP-180/3500-P	SM-HP-180/4000-P
		Heating press	Heating press	Heating press
Technical info				
Dimensions (LxWxH)	[mm]	460x3300x720	460x3800x750	460x4400x850
Length of heating platens	[mm]	180	180	180
Maximum belt width	[mm]	3000	3500	4000
Weight	[kg]	415	650	1180
Voltage	[V]	3x400/3x220	3x400/3x220	3x400/3x220
Capacity	[W]	2x4400	2x5150	2x7800
Heating temperature max.	[°C]	200	200	200
Air pressure	[bar]	7	7	7
Heating-up time	[mins]	30	30	30
Water cooling possible		yes	yes	yes
Splice max.		Z – 110 and Z-overlap	Z – 110 and Z-overlap	Z – 110 and Z-overlap

Further details on request. Subject to change.

In addition to the assembly presses, Müssel Maschinenbau GmbH also supplies workshop heating presses powered hydraulically or pneumatically.



SM-HP-180/500-P

Timing belt splice tools

Heating presses with heating on two sides for melt splices on timing belts. Flat-milled heating platens with **very short** heating-up times and ideal temperature distribution. Can be water cooled. Heating temperature max. 210 °C, pressure generated mechanically. Timing belt profile splicing guides in the timing belts required are available on request.



SMX-HP-150/120-PP

Areas used

- for all melt splices of timing belts;
- timing belt thickness 10 mm max.;
- timing belt widths between 60 and 120 mm max.;
- with heating on both sides and heating temperatures to 210 °C max.

Possible accessories

- Control units
- Portable cooling device
- Digital thermometer
- Timing belt profile splicing guides (available in the standard timing belt types and widths, others are possible on request).

Tools

SMX-HP-150/60-PP:

Mechanical heating press incl. star knob screws, thermometer and cooling hoses. **Without** timing belt profile splicing guides.

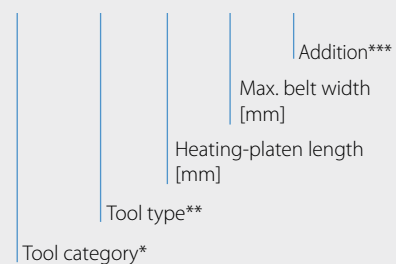
SMX-HP-150/120-PP:

Mechanical heating press incl. thermometer and cooling hoses. **Without** timing belt profile splicing guides.

Please note: Due to greater heating capacity, the tools have a very-short heating-up time.

Type key

SMX - HP - 150 / 60 - PP



* SMX= special splicing tools for melt splices

** HP = heating press

*** PP = Proposition timing belts

Type designation		SMX-HP-150/60-PP	SMX-HP-150/120-PP
		Timing belt heating press	Timing belt heating press
Technical info			
Dimensions (LxWxH)	[mm]	230x180x160	200x270x210
Length of heating platens	[mm]	150	180
Maximum belt width	[mm]	60	120
Weight	[kg]	4.4	11
Voltage	[V]	230/110	230/110
Capacity	[W]	2 x 1120	2 x 1500
Heating temperature max.	[°C]	210	210
Heating-up time	[mins]	approx. 2	approx. 4
Water cooling		yes	yes
Splice max.		Z - 110	Z - 110

Further details on request. Subject to change.

Tool and assembly sets

Tool sets include a heating clamp with the relevant accessories:

Tool sets (All types available in 230 V or 110 V)	BTS-2-V	BTS-2-F	BTS-3-V	BTS-3-F	BTS-4-V	BTS-4-F	BTS-5-V	BTS-5-F	BTS-7
Heating clamp SM-HC-50/40-V	●								
Heating clamp SM-HC-50/40-F		●							
Heating clamp SM-HC-50/60-V			●						
Heating clamp SM-HC-50/60-F				●					
Heating clamp SM-HC-50/80-V					●				
Heating clamp SM-HC-50/80-F						●			
Heating clamp SM-HC-80/60-V							●		
Heating clamp SM-HC-80/60-F								●	
Heating clamp SMX-HC-65/120									●
Cooling clamp SM-CC-40	●	●							
Cooling clamp SM-CC-60			●	●			●	●	
Cooling clamp SM-CC-80					●	●			
Cooling clamp SMX-CC-120									●
Timer	●	●	●	●	●	●	●	●	●
Clips for splicing glide	●	●	●	●	●	●	●	●	
Standard structured fabric									●
Pressure platen									●
Tensioning plate									●



BTS-2-V

Assembly sets include a heating clamp with the relevant Z-punching press and accessories:

Assembly sets (All types available in 230 V or 110 V)	P/P-2-V/40	P/P-2-F/40	P/P-4-V/80	P/P-4-F/80	BTS-6	Live roller 6/40	Live roller FS 25/30/40
Heating clamp SM-HC-50/40-V	●						
Heating clamp SM-HC-50/40-F		●					
Heating clamp SM-HC-50/80-V			●				
Heating clamp SM-HC-50/80-F				●			
Heating clamp SMX-HC-140/40					●	●	●
Cooling clamp SM-CC-40	●	●					
Cooling clamp SM-CC-80			●	●			
Cooling clamp SM-CC-130/40					●		●
Timer	●	●	●	●	●	●	●
Clips for splicing glide	●	●	●	●	●	●	●
Splicing guide 25 belt 0-2 AL							●
Splicing guide 30 belt 0-2 AL					●		●
Splicing guide 40 belt 0-2 AL							●
Z-punching press PP-ZP-V/40-3	●	●			●	●	●
Z-punching press PP-ZP-V/80-3			●	●			
Punching set 35 x 11.5	●	●	●	●			
Punching set 70 x 11.5						●	●
Punching set 110 x 11.5					●	●	●
Tool	●	●	●	●	●	●	●
Insert	●	●	●	●	●	●	●
PC-HC-V/V blades					●		
Measuring tape 2000 mm					●		



BTS-6

Subject to change.

Special splicing tools

Heating tool for butt splices

SMX-BD-0/100-3V butt welder with temperature control unit for infinite temperature adjustment to 210°C max., material width 100 mm max. and material thickness 3 mm max. Can be used in virtually all industries/segments.

Possible accessories: Timer, deburring knife and replacement blades for deburring knife.



SMX-BD-0/100-3V

Repair heating tool

SM-RD-120/... Repair heating tool with heating platen length of 120 mm and a heating platen width of 300 mm, 750 mm or 1250 mm, heating temperature 200°C max. Can be used in virtually all industries/segments. The heating tools are supplied with standard accessories.

Possible accessories: Control units, portable cooling device and clamps.



SM-RD-120/300

Special heating tool

SM-HD-110/4000 special heating tool with frame that can be taken apart with options for extending it. Heating platen length 110 mm and belt width 4000 mm max., heating temperature 230°C max. Can be used in virtually all industries/segments. The special heating tool is supplied complete with frame with extension components, heating section with weights, cooling section with weights and drive motor.



SM-HD-110/4000

Fitting tool for mechanical fasteners

Simple fitting tool for continuous application of wire-hook fasteners via a pressure roller. Can be used for different types of fasteners. For belt thicknesses of 1.5 to 9 mm and belt widths of 1200 mm max. in one step; unlimited because the belt can be shifted.

Can be used on all belts which can be inserted and removed without dismantling any of the machine's components. Ideal for belt repairs.

Accessories required: Combs and mechanical fasteners.



SC-RL-0/350

Accessories/service

Control units

Control units are vital when using heating presses. They cut down the time required for checking and supervising during the heating and cooling-down procedure. Furthermore heating processes are easy to reproduce when using control units. The temperatures of the two heating platens are continually monitored by temperature sensors. The temperature's hold-down time and activation of the cooling system are pre-set.

Tools

HPS 2: control unit for heating tools of 110 V and 230 V
(up to 2 x 1800 watt max.)

HPS2-AV-3: control unit (three-phase) for heating tools up to 3 x 400 V.
Adapters are available depending on the connection.



HPS 2

Cooling devices

Mobile cooling water system for rapid cooling. The portable water container with integrated electrical submerged pump is ideal for cooling tools, above all when used in fitting jobs where there's a lack of direct water supply. Heat-resistant cooling hoses are supplied as a standard element to connect to the heating tools.

Tools

WCD-26: cooling device with 26 litre capacity and DN 5 cooling hose connection

WCD-55: cooling device with 55 litre capacity and DN 10 cooling hose connection



WCD-55

Further accessories/service

Müssel Maschinenbau GmbH is a partner of Forbo Siegling and can offer an in-depth range of tool services. Whether you need accessories, spare parts, support or tool repair, at Müssel we have the right concept for you.

Here's a brief selection of our varied range of accessories and spare parts: (soldering irons, PG-HC-V/V safety knives, heat resistances, ACU-8/200 compressor, Teflon fabric, fine silicone fabric, standard structured fabric, yellow or white separating paper, blades, temperature sensors and much, much more).



Visit www.muessel.com for precise specifications and more information on the tools. Subject to change.

Order numbers and further information are included in the relevant tool sheets at www.muessel.com.
Müssel Maschinenbau GmbH is also your direct point of contact if any problems occur or repairs are required.

Because our products are used in so many applications and because of the individual factors involved, our operating instructions, details and information on the suitability and use of the products are only general guidelines and do not absolve the ordering party from carrying out checks and tests themselves. When we provide technical support on the application, the ordering party bears the risk of the machinery functioning properly.

Forbo Siegling service – anytime, anywhere

The Forbo Siegling Group employs more than 2,000 people. Our products are manufactured in nine production facilities across the world. You can find companies and agencies with warehouses and workshops in over 80 countries. Forbo Siegling service points are located in more than 300 places worldwide.

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