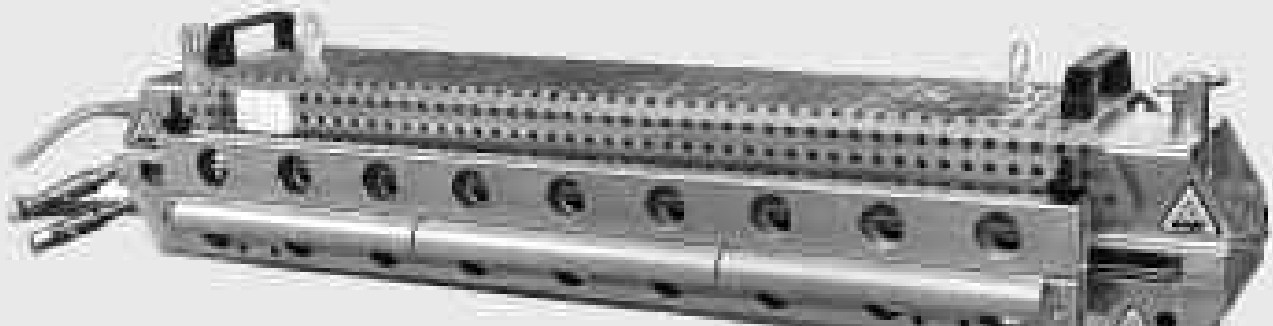
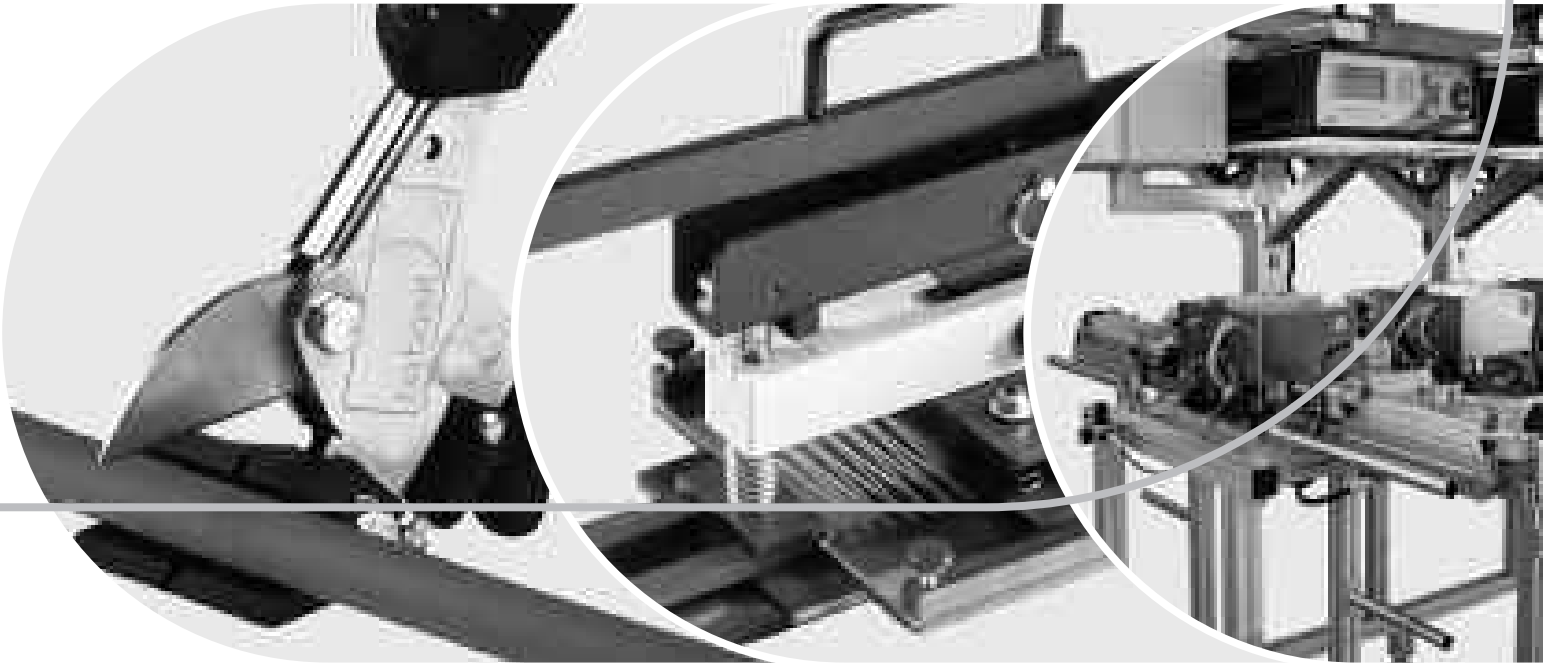


# Habasit Fabrication Devices

Habasit – Solutions in motion





# Table of contents

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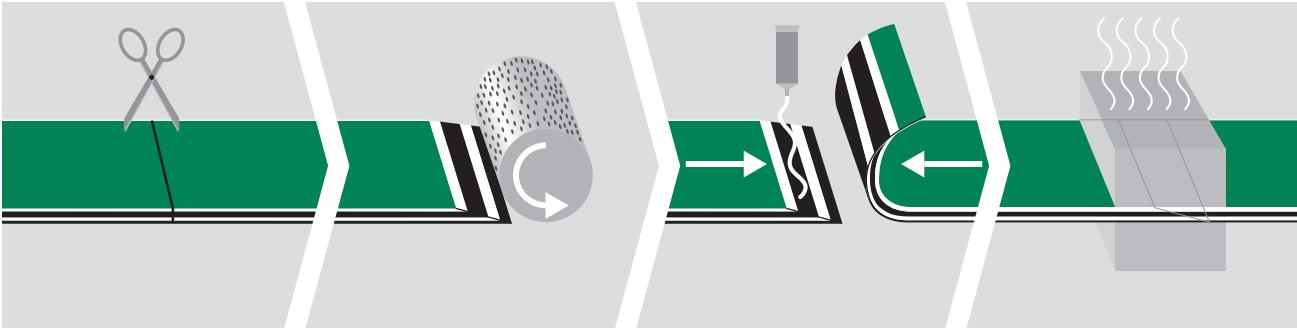
Joining methods	4
Cutting devices	5
Preparing devices	9
Hot-pressing devices	17
Coiling devices	31
Cooling tongs	37
Welding devices	38

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# Joining methods

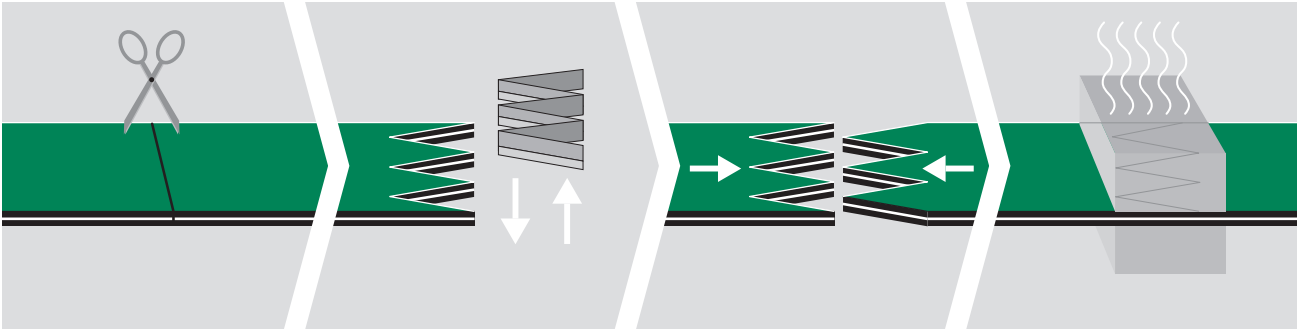
## Thermofix

Cut to dimensions      Skive      Apply adhesive      Hot-pressing



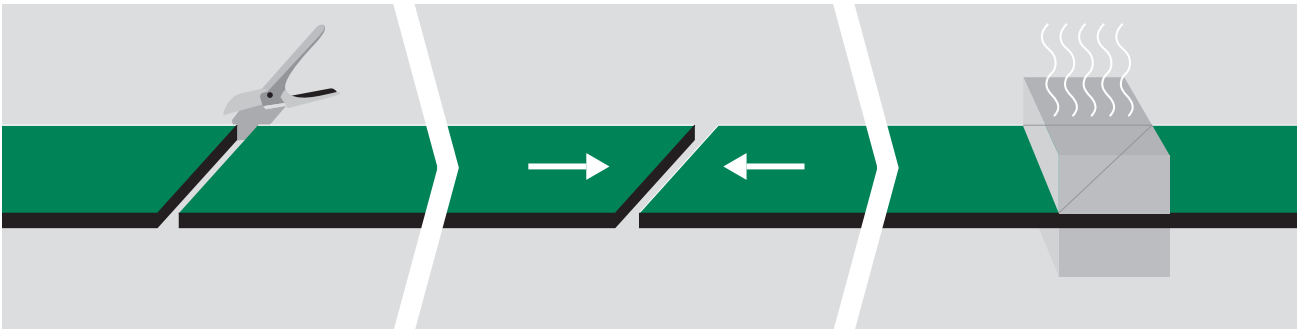
## Flexproof

Cut to dimensions      Die-cut/Finger-cut      Joining      Hot-pressing



## Quickmelt

Cut to dimensions and angle      Joining      Hot-pressing



# Cutting devices, longitudinal

## SM-120



Joining system	Multisystem			
Belt/tape width max.	mm	120	<i>inch</i>	4.7
Cutting width per operation	mm	120	<i>inch</i>	4.7
Belt/tape thickness max.	mm	5	<i>inch</i>	0.2
Electric power supply	V	3x230/400	W	500
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	750x1100x1800		
	<i>inch</i>	29.5x43.3x70.9		
Weight net	kg	250	<i>lbs.</i>	551.2

The SM-120 is a cutting machine to longitudinally cut Habasit belts and tapes up to a width of 120 mm and a thickness of 5 mm. It is especially suitable to cut sleeves (i.e. slitting after joining). Sleeves up to a length of 800 mm/32 *in.* can be tensioned around two rollers and cut like this; longer sleeves have to be fed manually. Side guides that can be shifted by thumb screws make aligning the belt with the blades easy. Circular blades and cutting roller are driven by a speed adjustable electric motor. The belt is tensioned with a pneumatic cylinder. Blades are lowered into the belt by means of a manual lever. The SM-120 is suitable for fabrication from single belts up to large series.

## SM-600



Joining system	Multisystem			
Belt/tape width max.	mm	1200	<i>inch</i>	47.2
Cutting width per operation	mm	600	<i>inch</i>	23.6
Belt/tape thickness max.	mm	30	<i>inch</i>	1.18
Electric power supply	V	3x230/400	W	2000
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	2400x900x1900		
	<i>inch</i>	94.5x35.4x74.8		
Weight net	kg	430	<i>lbs.</i>	948

The SM-600 is a cutting machine to longitudinally cut Habasit belts and tapes up to a width of 600 mm (max. in-feed 1200 mm). The machine is also well suitable for cutting sleeves (belts made endless before cutting); minimum endless belt length in this case is 350 mm/14 *in.* The machine features exceptionally large circular blades, which allow cutting belts with cleats or guiding profiles attached. Circular blades and cutting roller are driven by a speed adjustable electric motor. Blades are lowered into the belt by an exactly positioning hydraulic cylinder. The SM-600 is well suitable for fabrication of single belts up to large series.

## Cutting devices, longitudinal

### SM-1203



Joining system	Multisystem			
Belt/tape width max.	mm	1480	<i>inch</i>	58.3
Cutting width per operation	mm	1410	<i>inch</i>	55.5
Belt/tape thickness max.	mm	10	<i>inch</i>	0.39
Electric power supply	V	3x230/400	W	3500
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	1505x2835x1750		
	<i>inch</i>	59.3x111.6x68.9		
Weight net	kg	1230	<i>lbs.</i>	2711.7

The SM-1203 is a cutting machine to longitudinally cut Habasit belts and tapes up to a width of 1410 mm and a thickness of 10 mm (depending on material). The belt is clamped both before and after the cutting station and drawn through the machine by these driven clamping rollers. Circular blades and cutting roller are driven electrically. Circular blades are set in individual heads, so are quick to set up. They are engaged individually by means of pneumatic cylinders. Minimum distance of any two blades (= minimum belt width that can be cut) is 100 mm/4 in. Complemented by off-reeling CW-1204 and winder CW-1205 the SM-1203 is suitable for high-volume fabrication.

### SM-1603



Joining system	Multisystem			
Belt/tape width max.	mm	1800	<i>inch</i>	70.9
Cutting width per operation	mm	1730	<i>inch</i>	68.1
Belt/tape thickness max.	mm	10	<i>inch</i>	0.39
Electric power supply	V	3x230/400	W	3500
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	1505x3155x1750		
	<i>inch</i>	59.3x124.2x68.9		
Weight net	kg	1350	<i>lbs.</i>	2976.2

The SM-1603 is a cutting machine to longitudinally cut Habasit belts and tapes up to a width of 1730 mm and a thickness of 10 mm (depending on material). The belt is clamped both before and after the cutting station and drawn through the machine by these driven clamping rollers. Circular blades and cutting roller are driven electrically. Circular blades are set in individual heads, so are quick to set up. They are engaged individually by means of pneumatic cylinders. Minimum distance of any two blades (= minimum belt width that can be cut) is 100 mm/4 in. Complemented by off-reeling CW-1604 and winder CW-1605 the SM-1603 is suitable for high-volume fabrication.

## Cutting devices, longitudinal

### SM-2003



Joining system	Multisystem			
Belt/tape width max.	mm	2110	<i>inch</i>	83
Cutting width per operation	mm	2040	<i>inch</i>	80.3
Belt/tape thickness max.	mm	10	<i>inch</i>	0.39
Electric power supply	V	3x230/400	W	3500
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	1505x3475x1750		
	<i>inch</i>	59.3x137x68.9		
Weight net	kg	1470	<i>lbs.</i>	3240

The SM-2003 is a cutting machine to longitudinally cut Habasit belts and tapes up to a width of 2040 mm and a thickness of 10 mm (depending on material). The belt is clamped both before and after the cutting station and drawn through the machine by these driven clamping rollers. Circular blades and cutting roller are driven electrically. Circular blades are set in individual heads, so are quick to set up. They are engaged individually by means of pneumatic cylinders. Minimum distance of any two blades (= minimum belt width that can be cut) is 100 mm/4 in. Complemented by off-reeling CW-2004 and winder CW-2005 the SM-2003 is suitable for high-volume fabrication.

## Cutting devices, transversal

### S-16

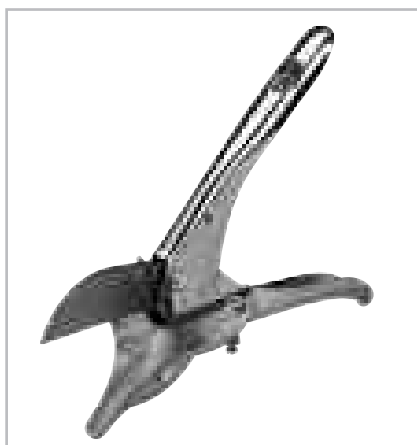


Joining system	Quickmelt			
Belt/tape width max.	mm	Ø 15	<i>inch</i>	Ø 0.6
Cutting width per operation	mm	–	<i>inch</i>	–
Belt/tape thickness max.	mm	Ø 15	<i>inch</i>	Ø 0.6
Electric power supply	V	–	W	–
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	165x40x45		
	<i>inch</i>	6.5x1.6x1.8		
Weight net	kg	0.2	<i>lbs.</i>	0.4

The S-16 cutting device is a manual cutting tool to cut Polycord round belts to the required length before the Quickmelt joining procedure takes place. The S-16 allows performing a proper right-angled cut up to 15 mm diameter.

## Cutting devices, transversal

### AQ-40



Joining system	Quickmelt			
Belt/tape width max.	mm	40	<i>inch</i>	1.57
Cutting width per operation	mm	–	<i>inch</i>	–
Belt/tape thickness max.	mm	3	<i>inch</i>	0.12
Electric power supply	V	–	W	–
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	220x80x55		
	<i>inch</i>	8.7x3.2x2.2		
Weight net	kg	0.3	<i>lbs.</i>	0.7

The scissors for cutting to length AQ-40 permit clean cutting of tapes at a 60° angle to prepare them for a Quickmelt joint. Tapes up to 40 mm wide and 3 mm thick can be cut to length with these scissors.

### SL-70



Joining system	Profiles			
Belt/tape width max.	mm	–	<i>inch</i>	–
Cutting width per operation	mm	–	<i>inch</i>	–
Belt/tape thickness max.	mm	70	<i>inch</i>	2.76
Electric power supply	V	–	W	–
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	410x1900x700		
	<i>inch</i>	16.1x74.8x27.6		
Weight net	kg	85	<i>lbs.</i>	187.4

The SL-70 is a «guillotine» to cut profiles, thermoplastic round belts and thermoplastic v-belts to length. It features a pneumatically operated blade, two-hand button safety control and a ruler with stop block to precisely set length of the cut plastic profiles. It comes with a set of guiding blocks that fit a wide range of profiles. The SL-70 is especially suitable for preparation of medium-sized to large series of profiles.



## Preparing devices (skiving tools)

### AT-60



Joining system	Thermofix			
Belt/tape width max.	mm 90°	60	<i>inch 90°</i>	2.4
joining angle of 90° or 75°	mm 75°	25	<i>inch 75°</i>	1
Belt/tape thickness max.	mm	2	<i>inch</i>	0.08
Electric power supply	V	–	W	–
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	235x180x205		
	<i>inch</i>	9.25x7.1x8.1		
Weight net	kg	1.5	<i>lbs.</i>	3.3

The AT-60 is a preparing device for skiving of Habasit belts and tapes up to a width of 60 mm and a thickness of 2 mm. The belt is clamped and stuck to a steel plate. It is ground manually by means of a grinding disk. Adjustment to belt thickness is possible in two steps. The AT-60 is especially suitable for occasional preparation of single belts or spindle tapes on site in maintenance. It is not designed for fabrication in series.

### AT-200



Joining system	Thermofix			
Belt/tape width max. for	mm 90°	200	<i>inch 90°</i>	8
joining angle of 90°, 75°, 60°	mm 75°	150	<i>inch 75°</i>	6
	mm 60°	90	<i>inch 60°</i>	3.5
Belt/tape thickness max.	mm	7	<i>inch</i>	0.28
Electric power supply	V	120/230	W	–
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	385x405x185		
	<i>inch</i>	15.2x16x7.3		
Weight net	kg	12.2	<i>lbs.</i>	26.9

The AT-200 is a preparing device for skiving of Habasit belts and tapes up to a width of 200 mm and a thickness of 7 mm. The belt is clamped and stuck on a steel table. This table is adjustable in tilt in six steps; it is fed under a grinding drum on precise guides. For the drive of the unit there are two options: The device equipped with a high-torque power drill, or with a stub axle to be driven/motorized according to the desires of the customer. Feed of the table is by means of a hand wheel. The AT-200 is suitable for preparation of belts and tapes in small- to medium-sized series. The tool is not robust enough for large series fabrication.

## Preparing devices (skiving tools)

### AT-305



Joining system	Thermofix			
	mm 90°	300	<i>inch 90°</i>	11.8
Belt/tape width max. for joining angle of 90° or 75°	mm 75°	220	<i>inch 75°</i>	8.7
Belt/tape thickness max.	mm	6	<i>inch</i>	0.24
Electric power supply	V	3x400/230 1x230/120	W	750
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	650x800x500		
	<i>inch</i>	25.6x31.5x19.7		
Weight net	kg	110	<i>lbs.</i>	242.5

The AT-305 is a preparing device for skiving of Habasit belts up to a width of 300 mm and a thickness of 8 mm. The belt is clamped and stuck on a steel table. This table is adjustable in tilt and is fed under a grinding drum on precise guides. The grinding drum is driven by a powerful three-phase electric motor; feed is by means of a hand wheel. The result of this operation is a precise skiving, even on the most-demanding belt products. The AT-305 is especially suitable for preparation of Thermofix joints of power transmission belts in the fabrication workshop. There is a similar device, AT-306, with automatic self-contained hydraulic feed drive. An upgrading kit is available to modify AT-305 to AT-306. For wider applications (e.g. conveyor belts), the A-600 skiver and the AT-1205 disk skiver are better suitable.

### AT-306



Joining system	Thermofix			
	mm 90°	300	<i>inch 90°</i>	11.8
Belt/tape width max. for joining angle of 90° or 75°	mm 75°	220	<i>inch 75°</i>	8.7
Belt/tape thickness max.	mm	6	<i>inch</i>	0.24
Electric power supply	V	–	W	–
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	–		
	<i>inch</i>	–		
Weight net	kg	–	<i>lbs.</i>	–

The AT-306 is a preparing device for skiving of Habasit belts up to a width of 300 mm and a thickness of 8 mm. The belt is clamped and stuck on a steel table. This table is adjustable in tilt and is fed under a grinding drum on precise guides. The grinding drum is driven by a powerful three-phase electric motor; feed is by means of a self-contained two-speed electro-hydraulic drive. A nonadjustable fast one for in-feed and an adjustable for slow-working speed. This feed gives smooth automatic and productive operation. No operator intervention is necessary during the skiving process. The result of this operation is a precise skiving, even on the most demanding belt products. A powerful grinding dust extraction system is available as an option. The AT-306 is especially suitable for preparation of Thermofix joints of power transmission belts in the fabrication workshop in large series. There is a similar device, AT-305, with manual feed for less demanding environments.

## Preparing devices (skiving tools)

### A-600



Joining system	Thermofix			
	mm 90°	600*	<i>inch 90°</i>	23.6*
Belt/tape width max. for joining angle of 90° or 75°	mm 75°	600	<i>inch 75°</i>	23.6
Belt/tape thickness max.	mm	6	<i>inch</i>	0.24
Electric power supply	V	120/230	W	850
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	875x445x255		
	<i>inch</i>	34.5x17.5x10		
Weight net	kg	32	<i>lbs.</i>	70.6

\*(wider if used in several steps)

The A-600 is a preparing device for skiving of Habasit belts and tapes up to a width of 600 mm and a thickness of 6 mm. It features a frame to firmly clamp the belt and hold it in the correct position on the table for grinding the skiving. Material is ground off using a belt sander. This belt sander is precisely guided on the frame, resulting in a skiving of precisely the required geometry. The machine is of «open throat» design, i.e. wider than nominal belts can be prepared in several steps. The A-600 is suitable for on-site preparation and low- to medium-volume preparation of Thermofix joints of conveyor belts in the fabrication workshop.

### AT-1201



Joining system	Thermofix			
	mm 90°	1200	<i>inch 90°</i>	47.2
Belt/tape width max. for joining angle of 90° or 75°	mm 75°	1200	<i>inch 75°</i>	47.2
Belt/tape thickness max.	mm	6.5	<i>inch</i>	0.26
Electric power supply	V	3x230/400	W	1500
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	2060x720x1600		
	<i>inch</i>	81.1x28.4x63		
Weight net	kg	320	<i>lbs.</i>	705.5

The AT-1201 is a preparing device for skiving of Habasit belts up to a width of 1200 mm and a thickness of 6.5 mm. The belt is clamped in a robust frame and precisely held in position. A grinding disk that is adjustable both in tilt (to control skiving length) and height (to control the thickness of the remaining lip) is then continuously run over the belt end, grinding it to the desired wedge shape. Feed of the grinding head is adjustable in a wide range to match various belt materials. The machine is of «open throat» design, i.e. wider belts can be skived in multiple steps. The AT-1201 is especially suitable for high-volume fabrication of conveyor belts with Thermofix joints.

## Preparing devices (die-cutting tools)

### AF-30



Joining system	Flexproof			
Belt/tape width max.	mm	30	<i>inch</i>	1.18
Belt/tape thickness max.	mm	3	<i>inch</i>	0.12
Electric power supply	V	–	W	–
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	280x180x570		
	<i>inch</i>	11x7.1x22.4		
Weight net	kg	12	<i>lbs.</i>	26.5

The AF-30 is a device for preparing (die cutting) of Habasit belts and tapes up to a width of 30mm and a thickness of 3mm for Flexproof (finger) joints. It is suitable for the standard Habasit finger geometries with a pitch of 6 or 8x3mm (different cutting heads). Die-cutting is done in just two manual strokes, resulting in the most precise finger cut and therefore optimum joint strength. The AF-30 lends itself especially well to low-to-high-volume production of spindle and machine tapes off pre-cut coils.

### AF-100/US



Joining system	Flexproof			
Belt/tape width max.	mm	100	<i>inch</i>	4
Belt/tape thickness max.	mm	6	<i>inch</i>	0.24
Electric power supply	V	–	W	–
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	650x215x270		
	<i>inch</i>	25.6x8.5x10.6		
Weight net	kg	13.5	<i>lbs.</i>	29.8

The AF-100/US is a device for preparing (die-cutting) of Habasit belts and tapes up to a width of 100 mm and a thickness of 6 mm for Flexproof joints. The belt is securely clamped on a movable carriage. This carriage is positioned in steps of 10 mm under a die-cutting head. The die-cutting head with two knife blades is then actuated with an eccentric lever, providing enough force to cut even the strongest Aramid fabrics with ease. The fingers are thus cut step by step, ensuring the most precise geometry of the cut and therefore optimum tensile strength of the resulting joint. The AF-100/US is particularly suited for preparing Flexproof joinable power transmission belts and machine tapes (TF range, TC range, CM/Flexfold range, Hamid range). It is well suitable for on-site preparation but also works well for small- to medium-sized fabrication in the workshop.

## Preparing devices (die-cutting tools)

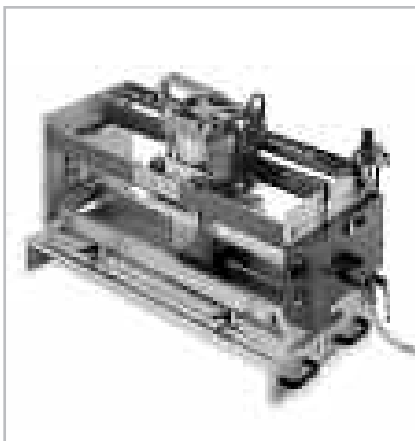
### AF-102



Joining system	Flexproof			
Belt/tape width max.	mm	100	<i>inch</i>	<i>3.9</i>
Belt/tape thickness max.	mm	2	<i>inch</i>	<i>0.08</i>
Electric power supply	V	–	W	–
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	200x52x85		
	<i>inch</i>	<i>8x2x3.3</i>		
Weight net	kg	1.6	<i>lbs.</i>	<i>3.5</i>

The AF-102 is a device for preparing (finger cutting) of Habasit machine tapes up to width of 100 mm and a thickness of 2 mm for Flexproof (finger) joints. It is suitable for the standard Habasit finger geometry 8x30 mm. The tape is positioned and securely clamped on an aluminum support. Fingers are then cut manually. The cutter is precisely positioned on the support with a pin matching a row of precisely cut indexing grooves; the angle is given by a guiding block fixed to the cutter. The AF-102 is suitable for occasional on-site preparation of Hamid tapes. For high-volume production there are better tools.

### AF-603



Joining system	Flexproof			
Belt/tape width max.	mm	600	<i>inch</i>	<i>23.6</i>
Belt/tape thickness max.	mm	8	<i>inch</i>	<i>0.31</i>
Electric power supply	V	–	W	–
Compressed air supply	bar	6	<i>psi</i>	<i>87</i>
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	940x430x560		
	<i>inch</i>	<i>37x16.9x22</i>		
Weight net	kg	85	<i>lbs.</i>	<i>187.4</i>

The AF-603 is used for efficient die-cutting of Habasit belts and tapes up to a width of 600 mm and a thickness of 8 mm for the Flexproof joining method. It is suitable for all standard Habasit finger geometries with a pitch of 10 mm, 20 mm, or 8 mm. Other geometries can be made with special multiple finger punching heads. Die-cutting operation is pneumatic, lateral feed of the punching head is manual by means of an indexed crank drive. The bridge design of the preparing device allows efficient preparation of belts in series (the end cut of the last belt is at the same time the start cut of the next). The machine is of «open throat» design, i.e. wider belts can be punched in several steps. The machine is transportable in station wagon or van, thus is also well suitable for on-site preparation. The AF-603 is ideal for medium-volume conveyor belt fabrication, either on site or in the fabrication workshop.

## Preparing devices (die-cutting tools)

### AFZ-1200



Joining system	Flexproof, Stepflex			
Belt/tape width max.	mm	1250	<i>inch</i>	49.2
Belt/tape thickness max.	mm	8	<i>inch</i>	0.31
Electric power supply	V	–	W	–
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	1905x890x1400		
	<i>inch</i>	75x35x55.1		
Weight net	kg	255	<i>lbs.</i>	562.2

The AFZ-1200 is used for efficient die-cutting of Habasit belts and tapes up to a width of 1250 mm and a thickness of 8 mm for the Flexproof or Step-Flex (only two-ply belts) joining methods. It is suitable for all standard Habasit finger geometries with a pitch of 10 mm or 20 mm. Other geometries can be made with special multiple finger punching heads. Die-cutting operation is pneumatic, lateral feed of the punching head is manual by means of an indexed crank drive. The machine is of «open throat» design, i.e. wider belts can be punched in several steps. A transportable version (suitable for transport in a station wagon or van) of this machine is available (see AFZ-1200P). The AFZ-1200 is ideal for medium volume conveyor belt fabrication.

### AFZ-1200P



Joining system	Flexproof, Stepflex			
Belt/tape width max.	mm	1250	<i>inch</i>	49.2
Belt/tape thickness max.	mm	8	<i>inch</i>	0.31
Electric power supply	V	–	W	–
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	1905x890x700		
	<i>inch</i>	75x35x27.6		
Weight net	kg	220	<i>lbs.</i>	485

The AFZ-1200P is the portable version of AFZ-1200 preparing (die-cutting) device without supporting structure, suitable for transport in a station wagon or van. It is used for efficient die-cutting of Habasit belts and tapes up to a width of 1250 mm and a thickness of 8 mm for the Flexproof or Step-Flex (only two-ply belts) joints. Step-Flex is supported by a shiftable die-cutting head. It is suitable for all standard Habasit finger geometries with a pitch of 10 mm or 20 mm. Other geometries can be made with special multiple finger punching heads. Die-cutting operation is pneumatic, lateral feed of the punching head is manual by means of an indexed crank drive. The machine is of «open throat» design, i.e. wider belts can be punched in several steps. The AFZ-1200P is ideal for medium volume conveyor belt fabrication and on-site installations.

## Preparing devices (die-cutting tools)

### AF-1201



Joining system	Flexproof			
Belt/tape width max.	mm	1300	<i>inch</i>	51.2
Belt/tape thickness max.	mm	8	<i>inch</i>	0.31
Electric power supply	V	1x120/230 3x230/400/415	W	1000
Compressed air supply	bar m <sup>3</sup> /min	6 –	<i>psi</i> <i>cu.ft./min</i>	87 –
Dimensions (LxWxH)	mm <i>inch</i>	2430x1040x1720 95.7x40.9x67.7		
Weight net	kg	800	<i>lbs.</i>	1763.70

The AF-1201 preparing device is used for efficient die-cutting of Habasit belts and tapes up to a width of 1300 mm width and a thickness of 8 mm for the Flexproof joining method. Step-Flex is possible by manually moving the belt for the second cut. Die-cutting operation is sequential, engaging only two blades at a time with a pneumatic cylinder; lateral feed is by means of an automatic spindle drive. This allows unattended operation of the machine once the belt is loaded and the cut started and guarantees optimum quality of the cut fingers. The machine is of open throat design, i.e. wider belts than 1300 mm can be cut in several steps. The AF-1201 is ideal for high-volume conveyor and power transmission belt fabrication.

### AF-2401



Joining system	Flexproof			
Belt/tape width max.	mm	2500	<i>inch</i>	98.4
Belt/tape thickness max.	mm	8	<i>inch</i>	0.31
Electric power supply	V	1x120/230 3x230/400/415	W	1000
Compressed air supply	bar m <sup>3</sup> /min	6 –	<i>psi</i> <i>cu.ft./min</i>	87 –
Dimensions (LxWxH)	mm <i>inch</i>	3630x1040x1720 142.9x40.9x67.7		
Weight net	kg	1000	<i>lbs.</i>	2204.6

The AF-2401 preparing device is used for efficient die-cutting of Habasit belts and tapes up to a width of 2500 mm width and a thickness of 8 mm for the Flexproof joining method. Step-Flex is possible by manually moving the belt for the second cut. Die-cutting operation is sequential, engaging only two blades at a time with a pneumatic cylinder; lateral feed is by means of an automatic spindle drive. This allows unattended operation of the machine once the belt is loaded and the cut started and guarantees optimum quality of the cut fingers. The machine is of open throat design, i.e. wider belts than 2500 mm can be cut in several steps. The AF-2401 is ideal for high-volume conveyor and power transmission belt fabrication.

## Preparing devices (die-cutting tools)

### AF-3201



Joining system	Flexproof			
Belt/tape width max.	mm	3300	<i>inch</i>	129.9
Belt/tape thickness max.	mm	8	<i>inch</i>	0.31
Electric power supply	V	1x120/230 3x230/400/415	W	1000
Compressed air supply	bar m <sup>3</sup> /min	6 –	<i>psi</i> <i>cu.ft./min</i>	87 –
Dimensions (LxWxH)	mm <i>inch</i>	4400x1850x1950 173.2x72.8x76.8		
Weight net	kg	1550	<i>lbs.</i>	3417.2

The AF-3201 preparing device is used for efficient die-cutting of Habasit belts and tapes up to a width of 3300 mm width and a thickness of 8 mm for the Flexproof joining method. Step-Flex is possible by manually moving the belt for the second cut. Die-cutting operation is sequential, engaging only two blades at a time with a pneumatic cylinder; lateral feed is by means of an automatic spindle drive. This allows unattended operation of the machine once the belt is loaded and the cut started and guarantees optimum quality of the cut fingers. The machine is of open throat design, i.e. wider belts than 3300 mm can be cut in several steps. The AF-3201 is ideal for high-volume conveyor and power transmission belt fabrication.

### A-2410



Joining system	Flexproof			
Belt/tape width max.	mm	∞	<i>inch</i>	∞
Belt/tape thickness max.	mm	5	<i>inch</i>	0.2
Electric power supply	V	–	W	–
Compressed air supply	bar m <sup>3</sup> /min	– –	<i>psi</i> <i>cu.ft./min</i>	– –
Dimensions (LxWxH)	mm <i>inch</i>	– –		
Weight net	kg	2.8	<i>lbs.</i>	6.2

The cutting tool set A-2410 is suitable for the simple manual die-cutting of Flexproof fingers for Habasit thermo-plastic conveyor belts up to a thickness of 5 mm and of unlimited width. It is the simplest tool for on-site preparation of conveyor belts. Belt ends are positioned on top of each other and stuck with double sided adhesive. A tape with the finger pattern printed on is stuck on the joint and the fingers are cut on a robust support surface using hammer and chisel. It goes without saying that this tool is mostly for single-belt fabrication, not for series.



# Hot-pressing devices

## PQ-16



Joining system	Quickmelt			
Belt/tape width max.	mm	Ø 15	<i>inch</i>	Ø 0.6
Belt/tape thickness max.	mm	Ø 15	<i>inch</i>	Ø 0.6
Electric power supply	V	120/230	W	120
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		ambient air		
Dimensions (LxWxH)	mm	370x260x240		
	<i>inch</i>	14.6x10.2x9.5		
Weight net	kg	14	<i>lbs.</i>	30.9

The PQ-16 Polycord welding machine is an efficient tool for blunt welding of round belts of 2 – 15 mm diameter; it also works well for thermoplastic v-belts. The welding process is started by pushing a foot pedal. Clamping, radiation heating of the weld surfaces, well aligned joining and cooling are then executed as an automatic sequence. Radiation heating guarantees optimum weld quality, as no burning plastic residues can contaminate the weld. Mechanical movements are by pneumatic cylinders; the welding plate is heated by electricity. The PQ-16 is particularly well-suitable for medium to high volume fabrication in the workshop.

## PQ-18



Joining system	Quickmelt			
Belt/tape width max.	mm	Ø 15	<i>inch</i>	–
Belt/tape thickness max.	mm	15	<i>inch</i>	–
Electric power supply	V	120/230	W	max. 200
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		ambient air		
Dimensions (LxWxH)	mm	420x140x120		
	<i>inch</i>	16.5x5.5x4.7		
Weight net	kg	–	<i>lbs.</i>	–

The PQ-18 is a simple, cost effective tool for welding of Polycord round belts. The joining operation is by blunt welding: Ends of the belt are melted by pressing them against the surface of a precisely regulated hot welding plate. After sufficient heating belt ends are pressed against each other with a defined pressure and left to cool in a defined position. After removing the resulting bead with a knife or by grinding an optimum quality round belt is ready for use. The PQ-18 is well-suitable for on-site installation and small- to medium-size series fabrication in the workshop.

# Hot-pressing devices

## PT-50



Joining system	Thermofix			
Belt/tape width max. for joining angle of 90° or 75°	mm 90°	50	<i>inch 90°</i>	2
	mm 75°	45	<i>inch 75°</i>	1.8
Belt/tape thickness max.	mm	2	<i>inch</i>	0.8
Electric power supply	V	110–240*	W max.	70
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		ambient air		
Dimensions (LxWxH)	mm	215x120x84		
	<i>inch</i>	8.5x4.7x3.3		
Weight net	kg	0.65	<i>lbs.</i>	1.4

\*universal

The PT-50 is a hot-pressing device for Thermofix joining of Habasit belts and tapes up to a width of 50 mm and a thickness of 2 mm. It is especially suitable for joining of spindle tapes and for many applications in the printing industry. The PT-50 is mostly suitable for on-site installation.

## PT-55



Joining system	Thermofix			
Belt/tape width max. for joining angle of 90° or 75°	mm 90°	50	<i>inch 90°</i>	2
	mm 75°	45	<i>inch 75°</i>	1.8
Belt/tape thickness max.	mm	2.5	<i>inch</i>	0.1
Electric power supply	V	110–240	W max.	150
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		ambient air		
Dimensions (LxWxH)	mm	280x63x95		
	<i>inch</i>	11x2.5x3.7		
Weight net	kg	0.715	<i>lbs.</i>	1.6

The PT-55 is a hot-pressing device for Thermofix joining of Habasit belts and tapes up to a width of 50 mm and a thickness of 2 mm. It is particularly well-suitable for joining of spindle tapes. The PT-55 should be complemented with a Hamid guide rail of the respective width to clamp the tape prior to hot-pressing. The PT-55 is mostly suitable for on-site installation.

# Hot-pressing devices

## PT-100



Joining system	Thermofix			
Belt/tape width max. for joining angle of 90°, 75°, 60°	mm 90°	100	<i>inch 90°</i>	3.9
	mm 75°	75	<i>inch 75°</i>	3
	mm 60°	50	<i>inch 60°</i>	2
Belt/tape thickness max.	mm	6	<i>inch</i>	0.24
Electric power supply	V	120/230	W	150
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		ambient air		
Dimensions (LxWxH)	mm	285x128x102		
	<i>inch</i>	11.2x5x4		
Weight net	kg	2	<i>lbs.</i>	4.4

The PT-100 is a hot-pressing device for Thermofix joining of Habasit belts and tapes up to a width of 100 mm and a thickness of 6 mm. The lower press plate is heated and is equipped with a detachable set-up plate with clamping device for secure positioning of the belt ends. Its knuckle joint mechanism allows easy adjustment for different belt thicknesses. Together with the integrated pressure equalization pad it ensures reliable hot pressing even for the most demanding glued belt joints. The PT-100 is equally well-suitable for workshop use as for on-site installations.

## PT-103



Joining system	Thermofix			
Belt/tape width max. for joining angle of 90° or 75°	mm 90°	100	<i>inch 90°</i>	3.9
	mm 75°	75	<i>inch 75°</i>	3
Belt/tape thickness max.	mm	2.5	<i>inch</i>	0.1
Electric power supply	V	120/230	W	135
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		ambient air		
Dimensions (LxWxH)	mm	289x96x56.5		
	<i>inch</i>	11.4x3.8x2.2		
Weight net	kg	1	<i>lbs.</i>	2.2

The PT-103 is a hot-pressing device for Thermofix joining of Habasit belts and tapes up to a width of 100 mm and a thickness of 2.5 mm. The press is extremely compact. Top and bottom parts can be separated with a handle, allowing belts to be joined also in locations with limited space. A simple clamp fixture ensures correct positioning of the belt ends. The PT-103 is particularly well-suitable for on-site installation.

# Hot-pressing devices

## PT-103S



Joining system	Thermofix			
Belt/tape width max. for joining angle of 90° or 75°	mm 90°	100	<i>inch 90°</i>	3.9
	mm 75°	75	<i>inch 75°</i>	3
Belt/tape thickness max.	mm	2.5	<i>inch</i>	0.1
Electric power supply	V	120/230	W	135
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		ambient air		
Dimensions (LxWxH)	mm	289x96x56,5		
	<i>inch</i>	11.2x3.8x2.2		
Weight net	kg	1	<i>lbs.</i>	2.2

The PT-103S is a variant of the PT-103 (see there) with a special large set-up plate. This large plate with precise, easy to use clamps/guides guarantees a straight joint every time. The PT-103S is well-suitable for on-site installation where height over the belt is limited but space along the belt length is not.

## PT-300



Joining system	Thermofix			
Belt/tape width max. for joining angle of 90°, 75°, 60°	mm 90°	300	<i>inch 90°</i>	11.8
	mm 75°	250	<i>inch 75°</i>	9.8
	mm 60°	200	<i>inch 60°</i>	7.9
Belt/tape thickness max.	mm	8	<i>inch</i>	0.31
Electric power supply	V	120/230	W	800
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		ambient air		
Dimensions (LxWxH)	mm	420x175x200		
	<i>inch</i>	16.5x6.9x7.9		
Weight net	kg	12	<i>lbs.</i>	26.5

The PT-300 is a hot-pressing device for Thermofix joining of Habasit belts and tapes up to a width of 300mm and a thickness of 8mm. Its lower press plate is heated and is equipped with a detachable set up plate with clamping bars for secure positioning of the belt ends. Pressure is generated with a closing spindle tightened with a torque wrench. Together with the integrated pressure equalization pad this ensures reliable hot pressing even for the most demanding glued belt joints. The PT-300 is equally well-suitable for workshop use as for on-site installations.

# Hot-pressing devices

## PT-600



Joining system	Thermofix			
Belt/tape width max. for joining angle of 90° or 75°	mm 90°	600	<i>inch 90°</i>	23.6
	mm 75°	560	<i>inch 75°</i>	22
Belt/tape thickness max.	mm	8	<i>inch</i>	0.31
Electric power supply	V	120/230	W	750
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		ambient air		
Dimensions (LxWxH)	mm	750x160x167		
	<i>inch</i>	29.5x6.3x6.6		
Weight net	kg	18	<i>lbs.</i>	39.7

The PT-600 is a hot-pressing device for Thermofix joining of Habasit belts and tapes. It is of low profile design for easy access also in tight spaces, still features a stiff beam ensuring optimum pressure distribution. The top part contains the electrical heater powered by single phase AC. Two preset temperatures can be selected. Pressure is generated with two spindles tightened with a torque wrench to ensure correct pressure. The integrated belt clamping bars ensure optimum results by holding the belt ends exactly in the right position when the press is closed. The PT-600 is specifically designed for on-site installation but works as well for small to medium series fabrication in the workshop.

## PQ-58



Joining system	Quickmelt			
Belt/tape width max.	mm	50	<i>inch</i>	2
Belt/tape thickness max.	mm	3.6	<i>inch</i>	0.14
Electric power supply	V	120/230	W	450
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		Cooling tongs		
Dimensions (LxWxH)	mm	280x70x95		
	<i>inch</i>	11x2.8x3.8		
Weight net	kg	0.83	<i>lbs.</i>	1.8

The PQ-58 is a hot-pressing device for Quickmelt or Flexproof joining of Habasit machine and spindle tapes up to a width of 50 mm and a thickness of 3.6 mm. With an additional cooling tong and a guide rail in the required width for your application you have a joining system that allows you to exchange a tape in minutes. The press plates are wide enough to weld 35 mm / 1.4 in. long Flexproof fingers also in situations where space is tight and visibility poor. The PQ-58 is mainly designed for on-site installation, but it can also be used for small to medium size series fabrication in the workshop.

# Hot-pressing devices

## PF-61



Joining system	Flexproof			
Belt/tape width max.	mm	60	<i>inch</i>	2.4
Belt/tape thickness max.	mm	4.5	<i>inch</i>	0.18
Electric power supply	V	120/230	W	500
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		Cooling tongs		
Dimensions (LxWxH)	mm	320x176x116		
	<i>inch</i>	12.6x6.9x4.6		
Weight net	kg	1.8	<i>lbs.</i>	4

The PF-61 is a hot-pressing device for Flexproof joining of Habasit power transmission belts made of thermoplastics up to a width of 60 mm and a thickness of 4.5 mm. With cooling tong CD-61 and an adjustable guide rail set you have a joining system that enables you to exchange a belt in minutes. The wide press plate allows making 10/120 mm Flexproof finger joints for optimal strength also in situations where space is tight and visibility is poor. The PF-61 is suitable mainly for on-site joining. In the fabrication workshop water-cooled presses are a more productive solution.

## PF-100S



Joining system	Flexproof			
Belt/tape width max.	mm	100	<i>inch</i>	3.9
Belt/tape thickness max.	mm	4	<i>inch</i>	0.16
Electric power supply	V	120/230	W	–
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		ambient air		
Dimensions (LxWxH)	mm	285x176x102		
	<i>inch</i>	11.2x6.9x4		
Weight net	kg	1.6	<i>lbs.</i>	3.5

The PF-100S is a hot-pressing device for Flexproof joining of Habasit belts and tapes up to a width of 100 mm and a thickness of 4 mm. To get a cost-efficient some compromises were made: Maximum finger length is 80 mm, and the press is heated only on the bottom. This limits applicability to typical conveyor belt applications. Namely belts with thick rubber layers and belts requiring 10/120 mm fingers can not be joined. The PF-100S is mainly suitable for on-site installations.

# Hot-pressing devices

## PF-101



Joining system	Multisystem			
Belt/tape width max.	mm	100	<i>inch</i>	3.9
Belt/tape thickness max.	mm	6	<i>inch</i>	0.24
Electric power supply	V	120/130	W	700
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		air (internal fan)		
Dimensions (LxWxH)	mm	260x190x145		
	<i>inch</i>	10.2x7.5x5.7		
Weight net	kg	3.7	<i>lbs.</i>	8.2

The PF-101 is a hot-pressing device for joining of Habasit belts and tapes up to a width of 100 mm and a thickness of 6 mm. Maximum finger length is 80 mm/4 in. It is designed mainly for Flexproof, but Thermofix is also possible. It features a precise individual temperature control of both press plates, and the automatically controlled forced air-cooling system ensures hassle-free operation, especially on installations. The compact control unit is connected to the press body by cables of about 2 m length, ideal for install situations. Handles can be fitted to the press body in various places for optimum handling in different installation situations. The press body halves can be separated for easy installation in tight space conditions, or the press can be inserted over the belt in one piece like a tong, and then closed at the front. Pressure is applied by tightening two screws. The PF-101 is especially suitable for on-site installations.

## PM-304

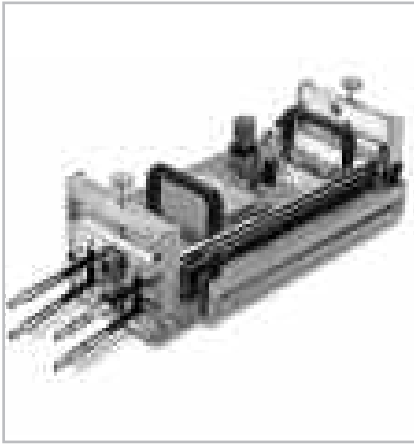


Joining system	Multisystem			
Belt/tape width max. for joining angle of 90° or 75°	mm 90°	300	<i>inch 90°</i>	11.8
	mm 75°	280	<i>inch 75°</i>	11
Belt/tape thickness max.	mm	10	<i>inch</i>	0.4
Electric power supply	V	120/230	W	2x1850
Compressed air supply	bar	2.5	<i>psi</i>	36.3
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm	1250x550x1700		
	<i>inch</i>	49.2x21.7x66.9		
Weight net	kg	130	<i>lbs.</i>	286.6

The PM-304 is a stationary variant of the PM-305 for workshop use. It is a highly productive tool for Thermofix, Flexproof and Step-Flex joining Habasit belts up to a width of 300 mm and a thickness of 10 mm (thickness of the whole belt/inserts package). The top part of the press opens wide by means of an air spring. The belt is held in place by a robust clamping system, ensuring straight joints. Uniform pressure on the belt is created with a pneumatic air bag. Pressing temperature is controlled individually on top and bottom heater plates with an electronic temperature regulator. Cooling operation is by water, which is then purged from the system with compressed air. The whole process after closing the press and starting the heat is controlled automatically; no operator intervention required until the cooled down belt can be taken from the press. Typical cycle time for a pressing at 160°C is 15 min. Standard configuration is four presses on an integrated stand with a central water tank and cooling unit. Please inquire for other configurations.

# Hot-pressing devices

## PM-305



Joining system	Multisystem			
Belt/tape width max. for joining angle of 90° or 75°	mm 90°	300	<i>inch 90°</i>	11.8
	mm 75°	280	<i>inch 75°</i>	11
Belt/tape thickness max.	mm	15	<i>inch</i>	0.59
Electric power supply	V	120/230	W	2x1850
Compressed air supply	bar	2.5	<i>psi</i>	36.3
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm	500x260x260		
	<i>inch</i>	19.7x10.2x10.2		
Weight net	kg	37	<i>lbs.</i>	81.6

The PM-305 is a sturdy, water-cooled hot-pressing device for Thermofix, Flexproof or Step-Flex joining of Habasit belts and tapes up to a width of 300 mm and a thickness of 15 mm. Uniform pressure on the belt is created with a pneumatic air bellow. Pressing temperature is controlled individually on top and bottom heater plates with an electronic temperature regulator; maximum temperature is 200°C. A clamping system ensures precise positioning of the belt and straight joints.

## PM-804



Joining system	Multisystem			
Belt/tape width max. for joining angle of 90° or 75°	mm 90°	800	<i>inch 90°</i>	31.5
	mm 75°	740	<i>inch 75°</i>	29.1
Belt/tape thickness max.	mm	10	<i>inch</i>	0.39
Electric power supply	V	3x230/400	W	2x2000
Compressed air supply	bar	3	<i>psi</i>	43.5
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm	1180x380x400		
	<i>inch</i>	46.5x15x15.8		
Weight net	kg	119	<i>lbs.</i>	262.4

The PM-XX04 are a range of hot-pressing devices for Thermofix, Flexproof, and Step-Flex joining of Habasit belts and tapes. See technical data for maximum belt dimensions. Main features:

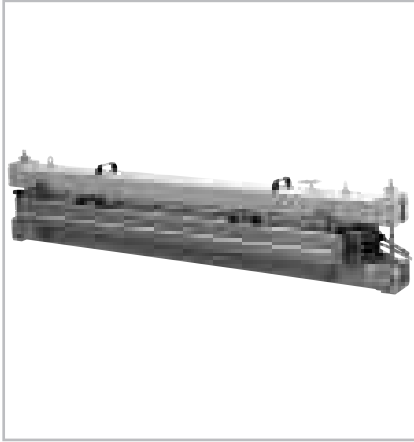
- Uniform pressure generated with compressed air bag
- Uniform temperature distribution
- Water-cooled
- Sturdy design

The presses can be ordered with a variety of accessories for pressurization and cooling control, depending on the intended usage. The PM-804 is the ideal workhorse in the fabrication workshop. For installs the lightweight PM-806 is a better solution, unless you need 120 mm finger or Step-Flex capability.



# Hot-pressing devices

## PM-1604



Joining system	Multisystem			
Belt/tape width max. for joining angle of 90° or 75°	mm 90°	1600	<i>inch 90°</i>	<i>63</i>
	mm 75°	1520	<i>inch 75°</i>	<i>59.8</i>
Belt/tape thickness max.	mm	10	<i>inch</i>	<i>0.39</i>
Electric power supply	V	3x230/400	W	2x4200
Compressed air supply	bar	3	<i>psi</i>	<i>43.5</i>
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm	2000x380x460		
	<i>inch</i>	<i>78.8x15x18.1</i>		
Weight net	kg	180	<i>lbs.</i>	<i>396.8</i>

The PM-XX04 are a range of hot pressing devices for Thermofix, Flexproof, and Step-Flex joining of Habasit belts and tapes. See technical data for maximum belt dimensions. Main features:

- Uniform pressure generated with compressed air bag
- Uniform temperature distribution
- Water-cooled
- Sturdy design

The presses can be ordered with a variety of accessories for pressurization and cooling control, depending on the intended usage. The PM-1604 is the ideal workhorse in the fabrication workshop. For installs the lightweight PM-1606 is a better solution, unless you need 120 mm finger or Step-Flex capability.

## PM-2404



Joining system	Multisystem			
Belt/tape width max. for joining angle of 90° or 75°	mm 90°	2400	<i>inch 90°</i>	<i>94.5</i>
	mm 75°	2310	<i>inch 75°</i>	<i>91</i>
Belt/tape thickness max.	mm	10	<i>inch</i>	<i>0.39</i>
Electric power supply	V	3x230/400	W	2x5400
Compressed air supply	bar	3	<i>psi</i>	<i>43.5</i>
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm	2950x380x565		
	<i>inch</i>	<i>116.1x15x22.2</i>		
Weight net	kg	450	<i>lbs.</i>	<i>992.1</i>

The PM-XX04 are a range of hot pressing devices for Thermofix, Flexproof, and Step-Flex joining of Habasit belts and tapes. See technical data for maximum belt dimensions. Main features:

- Uniform pressure generated with compressed air bag
- Uniform temperature distribution
- Water-cooled
- Sturdy design

The presses can be ordered with a variety of accessories for pressurization and cooling control, depending on the intended usage. The PM-2404 is the ideal workhorse in the fabrication workshop.

# Hot-pressing devices

## PM-3204



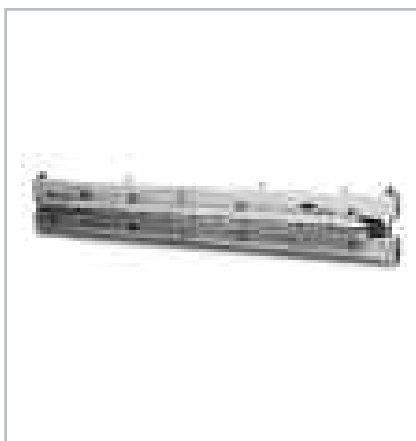
Joining system	Multisystem			
Belt/tape width max. for joining angle of 90° or 75°	mm 90°	3200	<i>inch 90°</i>	126
	mm 75°	3080	<i>inch 75°</i>	121.3
Belt/tape thickness max.	mm	10	<i>inch</i>	0.39
Electric power supply	V	3x230/400	W	2x6000
Compressed air supply	bar	3	psi	43.5
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm	3655x380x665		
	<i>inch</i>	143.9x15x26.2		
Weight net	kg	620	<i>lbs.</i>	1366.9

The PM-XX04 are a range of hot pressing devices for Thermofix, Flexproof, and Step-Flex joining of Habasit belts and tapes. See technical data for maximum belt dimensions. Main features:

- Uniform pressure generated with compressed air bag
- Uniform temperature distribution
- Water-cooled
- Sturdy design

The presses can be ordered with a variety of accessories for pressurization and cooling control, depending on the intended usage. The PM-3204 is the ideal workhorse in the fabrication workshop.

## PM-3604



Joining system	Multisystem			
Belt/tape width max. for joining angle of 90° or 75°	mm 90°	3600	<i>inch 90°</i>	141.7
	mm 75°	3450	<i>inch 75°</i>	135.8
Belt/tape thickness max.	mm	10	<i>inch</i>	0.39
Electric power supply	V	3x230/400	W	2x5300
Compressed air supply	bar	3	psi	43.5
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm	4135x380x665		
	<i>inch</i>	162.8x15x26.2		
Weight net	kg	726	<i>lbs.</i>	1600.6

The PM-XX04 are a range of hot pressing devices for Thermofix, Flexproof, and Step-Flex joining of Habasit belts and tapes. See technical data for maximum belt dimensions. Main features:

- Uniform pressure generated with compressed air bag
- Uniform temperature distribution
- Water-cooled
- Sturdy design

The presses can be ordered with a variety of accessories for pressurization and cooling control, depending on the intended usage. The PM-3604 is the ideal workhorse in the fabrication workshop.

# Hot-pressing devices

## PM-4204



Joining system	Multisystem			
Belt/tape width max. for joining angle of 90° or 75°	mm 90°	4200	<i>inch 90°</i>	165.4
	mm 75°	4010	<i>inch 75°</i>	157.9
Belt/tape thickness max.	mm	10	<i>inch</i>	0.39
Electric power supply	V	3x230/400	W	2x6000
Compressed air supply	bar	3	<i>psi</i>	43.5
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm	4660x380x865		
	<i>inch</i>	183.5x15x34.1		
Weight net	kg	860	<i>lbs.</i>	1896

The PM-XX04 are a range of hot pressing devices for Thermofix, Flexproof, and Step-Flex joining of Habasit belts and tapes. See technical data for maximum belt dimensions. Main features:

- Uniform pressure generated with compressed air bag
- Uniform temperature distribution
- Water-cooled
- Sturdy design

The presses can be ordered with a variety of accessories for pressurization and cooling control, depending on the intended usage. The PM-4204 is the ideal workhorse in the fabrication workshop.

## PM-306



Picture of PM-806

Joining system	Multisystem			
Belt/tape width max.	mm	300	<i>inch</i>	11.8
Belt/tape thickness max.	mm	10	<i>inch</i>	0.4
Electric power supply	V	1x120x230 3x230/400	W	2x1100
Compressed air supply	bar	3	<i>psi</i>	43.5
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm	635x240x200		
	<i>inch</i>	25x9.5x8		
Weight net	kg	26	<i>lbs.</i>	57.2

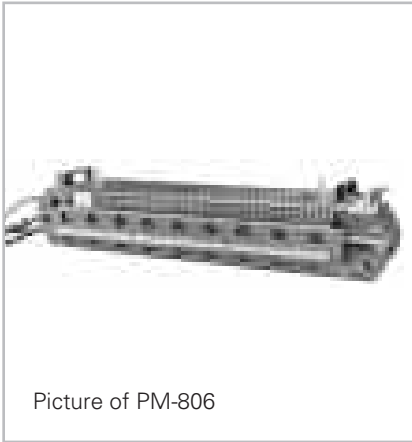
The PM-XX06 are a range of lightweight hot-pressing devices for Thermofix and Flexproof joining of Habasit belts and tapes. See technical data for maximum belt dimensions. Differences compared to the PM-XX04 range:

- Much lighter weight
- Press plate only 100 mm wide, i.e. not suitable for Step-Flex and 10/120 mm fingers.

The presses can be ordered in a variety of configurations concerning pressurization and cooling control, depending on their usage. The PM-306 is designed mainly for on-site installation, but it can also be used in the fabrication workshop.

# Hot-pressing devices

## PM-606



Picture of PM-806

Joining system	Multisystem			
Belt/tape width max. for	mm	600	<i>inch</i>	23.6
Belt/tape thickness max.	mm	10	<i>inch</i>	0.4
Electric power supply	V	1x120x230 3x230/400	W	2x1400
Compressed air supply	bar m <sup>3</sup> /min	3 –	<i>psi</i> <i>cu.ft./min</i>	43.5 –
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm <i>inch</i>	1130x240x200 44.5x9.5x8		
Weight net	kg	40.5	<i>lbs.</i>	89.1

The PM-XX06 are a range of lightweight hot-pressing devices for Thermofix and Flexproof joining of Habasit belts and tapes. See technical data for maximum belt dimensions. Differences compared to the PM-XX04 range:

- Much lighter weight
- Press plate only 100 mm wide, i.e. not suitable for Step-Flex and 10/120 mm fingers.

The presses can be ordered in a variety of configurations concerning pressurization and cooling control, depending on their usage. The PM-606 is designed mainly for on-site installation, but it can also be used in the fabrication workshop.

## PM-806



Joining system	Multisystem			
Belt/tape width max.	mm	800	<i>inch</i>	31.5
Belt/tape thickness max.	mm	10	<i>inch</i>	0.4
Electric power supply	V	3x230/400	W	2x1300
Compressed air supply	bar m <sup>3</sup> /min	3 –	<i>psi</i> <i>cu.ft./min</i>	43.5 –
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm <i>inch</i>	1250x300x250 49x11x10		
Weight net	kg	72	<i>lbs.</i>	158

The PM-XX06 are a range of lightweight hot-pressing devices for Thermofix and Flexproof joining of Habasit belts and tapes. See technical data for maximum belt dimensions. Differences compared to the PM-XX04 range:

- Much lighter weight
- Press plate only 100 mm wide, i.e. not suitable for Step-Flex and 10/120 mm fingers.

The presses can be ordered in a variety of configurations concerning pressurization and cooling control, depending on their usage. The PM-806 is designed mainly for on-site installation, but it can also be used in the fabrication workshop.

# Hot-pressing devices

## PM-1056



Joining system	Multisystem			
Belt/tape width max.	mm	1050	<i>inch</i>	41.3
Belt/tape thickness max.	mm	10	<i>inch</i>	0.4
Electric power supply	V	3x230/400	W	2x1700
Compressed air supply	bar	2.5	<i>psi</i>	36.3
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm	1506x300x250		
	<i>inch</i>	60x11x10		
Weight net	kg	85	<i>lbs.</i>	187

The PM-XX06 are a range of lightweight hot-pressing devices for Thermofix and Flexproof joining of Habasit belts and tapes. See technical data for maximum belt dimensions. Differences compared to the PM-XX04 range:

- Much lighter weight
- Press plate only 100 mm wide, i.e. not suitable for Step-Flex and 10/120 mm fingers.

The presses can be ordered in a variety of configurations concerning pressurization and cooling control, depending on their usage. The PM-1056 is designed mainly for on-site installation, but it can also be used in the fabrication workshop.

## PM-1306



Joining system	Multisystem			
Belt/tape width max.	mm	1300	<i>inch</i>	51.2
Belt/tape thickness max.	mm	10	<i>inch</i>	0.4
Electric power supply	V	3x230/400	W	2x2000
Compressed air supply	bar	2.5	<i>psi</i>	36.3
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm	1750x300x250		
	<i>inch</i>	69x11x10		
Weight net	kg	100	<i>lbs.</i>	220

The PM-XX06 are a range of lightweight hot-pressing devices for Thermofix and Flexproof joining of Habasit belts and tapes. See technical data for maximum belt dimensions. Differences compared to the PM-XX04 range:

- Much lighter weight
- Press plate only 100 mm wide, i.e. not suitable for Step-Flex and 10/120 mm fingers.

The presses can be ordered in a variety of configurations concerning pressurization and cooling control, depending on their usage. The PM-1306 is designed mainly for on-site installation, but it can also be used in the fabrication workshop.

# Hot-pressing devices

## PM-1606



Joining system	Multisystem			
Belt/tape width max.	mm	1600	<i>inch</i>	63
Belt/tape thickness max.	mm	10	<i>inch</i>	0.4
Electric power supply	V	3x230/400	W	2x3000
Compressed air supply	bar	3	<i>psi</i>	43.5
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm	1858x180x296		
	<i>inch</i>	73x7x11.7		
Weight net	kg	154.5	<i>lbs.</i>	340

The PM-XX06 are a range of lightweight hot-pressing devices for Thermofix and Flexproof joining of Habasit belts and tapes. See technical data for maximum belt dimensions. Differences compared to the PM-XX04 range:

- Much lighter weight
- Press plate only 100 mm wide, i.e. not suitable for Step-Flex and 10/120 mm fingers.

The presses can be ordered in a variety of configurations concerning pressurization and cooling control, depending on their usage. The PM-1606 is designed mainly for on-site installation, but it can also be used in the fabrication workshop.

## PM-2006



Joining system	Multisystem			
Belt/tape width max.	mm	2000	<i>inch</i>	78.7
Belt/tape thickness max.	mm	10	<i>inch</i>	0.4
Electric power supply	V	3x230/400	W	2x3000
Compressed air supply	bar	3	<i>psi</i>	43.5
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Cooling media		water (ext. supply)		
Dimensions (LxWxH)	mm	2078x320x336		
	<i>inch</i>	98x12.6x13.2		
Weight net	kg	230	<i>lbs.</i>	506

The PM-XX06 are a range of lightweight hot-pressing devices for Thermofix and Flexproof joining of Habasit belts and tapes. See technical data for maximum belt dimensions. Differences compared to the PM-XX04 range:

- Much lighter weight
- Press plate only 100 mm wide, i.e. not suitable for Step-Flex and 10/120 mm fingers.

The presses can be ordered in a variety of configurations concerning pressurization and cooling control, depending on their usage. The PM-2006 is designed mainly for on-site installation, but it can also be used in the fabrication workshop.

# Coiling devices, reel and coiling carts

## CH-1202



Belt/tape width max.	mm	1200	<i>inch</i>	47.2
Max load (weight of coil)	kg	300	<i>lbs.</i>	661.4
Dimensions (LxWxH)	mm	1470x560x925		
	<i>inch</i>	57.9x22x36.4		
Weight net	kg	90	<i>lbs.</i>	198.4

The CH-1202 is a roller-cradle type off-reeling and transport device for belt coils up to 1200 mm width. It features guide pins to hold the coil in place during off-reeling; they can be located in various positions to accommodate belt width. As this is a low-tech device that may be more cost-effectively be produced located we offer the option of getting a set of drawings for local production.

## CH-2400



Belt/tape width max.	mm	2400	<i>inch</i>	94.5
Max load (weight of coil)	kg	600	<i>lbs.</i>	1322.8
Dimensions (LxWxH)	mm	3000x950x1000		
	<i>inch</i>	118.1x37.4x39.4		
Weight net	kg	100	<i>lbs.</i>	220.5

The CH-2400 is a manual off-reeling, winding and transport device for belt coils up to 2400 mm width. Two alternative coiling cores can be used: a single core for standard coils, and a double core to prepare double coils for endless belts. The flange of the double core can be separated to remove the core after joining of the belt. A simple belt brake is included to control the belt during off-reeling. As this is a low-tech device that may be more cost-effectively be produced located we offer the option of getting a set of drawings for local production.

## Coiling devices, reel and coiling carts

### CH-2402



Belt/tape width max.	mm	2400	<i>inch</i>	94.5
Max load (weight of coil)	kg	400	<i>lbs.</i>	881.9
Dimensions (LxWxH)	mm	2680x560x925		
	<i>inch</i>	105.5x22x36.4		
Weight net	kg	200	<i>lbs.</i>	440.9

The CH-2402 is a roller-cradle type off-reeling and transport device for belt coils up to 2400 mm width. It features guide pins to hold the coil in place during off-reeling; they can be located in various positions to accommodate belt width. As this is a low-tech device that may be more cost-effectively be produced located we offer the option of getting a set of drawings for local production.

### CH-4000



Belt/tape width max.	mm	4000	<i>inch</i>	157.5
Max load (weight of coil)	kg	2000	<i>lbs.</i>	4409.2
Dimensions (LxWxH)	mm	4800x950x1000		
	<i>inch</i>	189x37.4x39.4		
Weight net	kg	150	<i>lbs.</i>	330.7

The CH-4000 is a manual off-reeling, winding and transport device for belt coils up to 4000 mm width. Two alternative coiling cores can be used: a single core for standard coils, and a double core to prepare double coils for endless belts. The flange of the double core can be separated to remove the core after joining of the belt. A simple belt brake is included to control the belt during off-reeling. As this is a low-tech device that may be more cost-effectively be produced located we offer the option of getting a set of drawings for local production.



# Coiling devices

## CW-300



Belt/tape width max.	mm	300	<i>inch</i>	11.8
Max load (weight of coil)	kg	125	<i>lbs.</i>	275.6
Max. coil diam. Ø	mm		<i>inch</i>	–
Electric power supply	V	3x230/400	W	300
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	1000x870x1410		
	<i>inch</i>	39.4x34.3x55.5		
Weight net	kg	136	<i>lbs.</i>	299

Reeling device CW-300 serves for the safe reeling from cutting machines of belts up to 300 mm wide. The motor has constant torque also over different speeds, guaranteeing the tractive force set at the controller.

## CW-600



Belt/tape width max.	mm	600	<i>inch</i>	23.6
Max load (weight of coil)	kg	250	<i>lbs.</i>	551.2
Max. coil diam. Ø	mm		<i>inch</i>	–
Electric power supply	V	3x230/400	W	300
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	1190x910x1410		
	<i>inch</i>	46.9x35.8x55.5		
Weight net	kg	162	<i>lbs.</i>	356

Reeling device CW-600 serves for the safe reeling from cutting machines of belts up to 600 mm wide. The motor has constant torque also over different speeds, guaranteeing the tractive force set at the controller.

# Coiling devices

## CW-1204



Belt/tape width max.	mm	1500	<i>inch</i>	59.1
Max load (weight of coil)	kg	–	<i>lbs.</i>	–
Max. coil diam. Ø	mm	1200	<i>inch</i>	47.2
Electric power supply	V	3x230/400	W	2500
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	1075x2805x1385		
	<i>inch</i>	42.3x110.4x54.5		
Weight net	kg	640	<i>lbs.</i>	1411

The CW-1204 is an off-reeling device for belt coils up to a width of 1500 mm and a diameter of 1200 mm. It is equipped with a pneumatic brake to tension the belt. Lateral position (edge control) is adjustable with manual control (to guide the belt into the subsequent process at the desired position). Options: Automatic regulation of brake torque, automatic edge control. The control of the off-reeling device is prepared for integration (master-slave operation) with the SM-1203 cutting machine.

## CW-1205



Belt/tape width max.	mm	1500	<i>inch</i>	59.1
Max load (weight of coil)	kg	–	<i>lbs.</i>	–
Max. coil diam. Ø	mm	1200	<i>inch</i>	47.2
Electric power supply	V	3x230/400	W	4000
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	870x2685x1325		
	<i>inch</i>	34.3x105.7x52.2		
Weight net	kg	400	<i>lbs.</i>	881.9

The CW-1205 is a winder for belt coils up to 1500 mm width and a diameter of 1200 mm. Winding torque is adjustable to fit a wide range of belt products. The CW-1205 is equipped with splitter discs that help to keep multiple coils separate when they are wound in parallel on the same shaft. The control of the winder is prepared for integration (master-slave operation) with the SM-1203 cutting machine.

# Coiling devices

## CW-1604



Belt/tape width max.	mm	1800	<i>inch</i>	70.9
Max load (weight of coil)	kg		<i>lbs.</i>	–
Max. coil diam. Ø	mm	1200	<i>inch</i>	47.2
Electric power supply	V	3x230/400	W	2500
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	1075x3125x1385		
	<i>inch</i>	42.3x123x54.5		
Weight net	kg	650	<i>lbs.</i>	1433

The CW-1604 is an off-reeling device for belt coils up to a width of 1800 mm and a diameter of 1200 mm. It is equipped with a pneumatic brake to tension the belt. Lateral position (edge control) is adjustable with manual control (to guide the belt into the subsequent process at the desired position). Options: Automatic regulation of brake torque, automatic edge control. The control of the off-reeling device is prepared for integration (master-slave operation) with the SM-1203 cutting machine.

## CW-1605



Belt/tape width max.	mm	1800	<i>inch</i>	70.9
Max load (weight of coil)	kg		<i>lbs.</i>	–
Max. coil diam. Ø	mm	1200	<i>inch</i>	47.2
Electric power supply	V	3x230/400	W	4000
Compressed air supply	bar	–	<i>psi</i>	–
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	870x3005x1325		
	<i>inch</i>	34.3x118.3x52.2		
Weight net	kg	450	<i>lbs.</i>	992.1

The CW-1605 is a winder for belt coils up to 1800 mm width and a diameter of 1200 mm. Winding torque is adjustable to fit a wide range of belt products. The CW-1605 is equipped with splitter discs that help to keep multiple coils separate when they are wound in parallel on the same shaft. The control of the winder is prepared for integration (master-slave operation) with the SM-1603 cutting machine.

# Coiling devices

## CW-2004



Belt/tape width max.	mm	2100	<i>inch</i>	82.7
Max load (weight of coil)	kg	–	<i>lbs.</i>	–
Max. coil diam. Ø	mm	1200	<i>inch</i>	47.2
Electric power supply	V	3x230/400	W	4000
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	1075x3445x1385		
	<i>inch</i>	42.3x135.6x54.5		
Weight net	kg	660	<i>lbs.</i>	1455.1

The CW-2004 is an off-reeling device for belt coils up to a width of 2100 mm and a diameter of 1200 mm. It is equipped with a pneumatic brake to tension the belt. Lateral position (edge control) is adjustable with manual control (to guide the belt into the subsequent process at the desired position). Options: Automatic regulation of brake torque, automatic edge control. The control of the off-reeling device is prepared for integration (master-slave operation) with the SM-2003 cutting machine.

## CW-2005



Belt/tape width max.	mm	2100	<i>inch</i>	82.7
Max load (weight of coil)	kg	–	<i>lbs.</i>	–
Max. coil diam. Ø	mm	1200	<i>inch</i>	47.2
Electric power supply	V	3x230/400	W	4000
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	870x3325x1325		
	<i>inch</i>	34.3x130.9x52.2		
Weight net	kg	470	<i>lbs.</i>	1036.2

The CW-2005 is a winder for belt coils up to 2100 mm width and a diameter of 1200 mm. Winding torque is adjustable to fit a wide range of belt products. The CW-2005 is equipped with splitter discs that help to keep multiple coils separate when they are wound in parallel on the same shaft. The control of the winder is prepared for integration (master-slave operation) with the SM-2003 cutting machine.

# Coiling tongs

## CD-60



Joining system	Flexproof, Quickmelt			
Dimensions (LxWxH)	mm	270x60x100		
	inch	10.6x2.4x3.9		
Weight net	kg	0.5	lbs.	1.1

The CD-60 is a cooling tong for use in the Quickmelt and Flexproof joining systems. The belt is joined in a guide rail, fixed with two spring clips and welded in a hot-pressing device. After welding the guide rail with the belt is transferred to the CD-60 cooling tong to cool the belt down under a predetermined pressure. The CD-60 is a complement to the PQ-58 hot-pressing device found elsewhere in this brochure; it can also be used in conjunction with the predecessors of PQ-58.

## CD-61



Joining system	Flexproof, Quickmelt			
Dimensions (LxWxH)	mm	270x150x100		
	inch	10.6x5.9x3.9		
Weight net	kg	0.5	lbs.	1.1

The CD-61 is a cooling tong for use in the Flexproof joining system. The belt is joined in a guide rail, fixed with two spring clips and welded in a hot-pressing device. After welding the guide rail with the belt is transferred to the CD-61 cooling tong to cool down under a predetermined pressure. The CD-61 is a complement to the PF-61 found elsewhere in this brochure.

# Welding devices

## WB-1201



Belt/tape width max.	mm	1250	<i>inch</i>	49.2
Max load (weight of coil)	kg	–	<i>lbs.</i>	–
Max. coil diam. Ø	mm	–	<i>inch</i>	–
Electric power supply	V	3x230/400	W	4000
Compressed air supply	bar	6	<i>psi</i>	87
	m <sup>3</sup> /min	–	<i>cu.ft./min</i>	–
Dimensions (LxWxH)	mm	2250x900x1550		
	inch	88.6x35.4x61		
Weight net	kg	670	<i>lbs.</i>	1477.1

The WB-1201 is a hot-air welding machine for continuous welding of longitudinal profiles both on the running side (typically v-guides) and on the conveying side (typically side guards). The machine features two welding heads which can be used for application of adhesive and for hot-air welding. The process guarantees optimal adhesion of the profile on the belt and precise positioning of the profile.

The WB-1201 is suitable for medium to high volume fabrication.



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