



Heating plate dimensions: 120 x 60 mm

Scope of delivery:

1 pc. Hot press HP01 AIR, 1 pc. PPuls Controller Element,
1 pc. Edge cutter SE02, 1 pc. Screw driver,
1 pc. Scissors AS04, 1 pc. Aluminium case

Dimensions (HxWxD): 240 x 167 x 200 mm

Weight: approx. 4800 g

Description

Standard Set HP01 /Air cooling, 230V

Order No.

FBWHP011L230

HP01 AIR

HP01 AIR is the air-cooled version of the hot press and offers mobility thanks to its compact design.

Features at a glance

- Very easy to use.
- Reduces operator errors through a fully automatic and controlled welding and vulcanization process.
- Thanks to its exchangeable moulds the HP01 is suitable for splicing many different profiles and flat belts made of PU and TPE as well as timing belts.
- User friendly operation through self-explanatory menu of controller (no expertise required).
- Perfect welding within minutes.
- Temperature variation is never a concern (no guesswork).
- Real time data logging & diagnostics function for quality assurance of the splice.
- Different types of welds possible (overlap welds, butt welds and angle welds).
- Due to its small size and the hook for hanging up the press during the welding process, the HP01 can be used in confined spaces "on-site".
- Best welding solution for reinforced profiles (aramid, polyester and steel) through overlap welding.



Tutorialvideo on YouTube

HP01 WATER

HP01 WATER is the water cooled version of the hot press and offers higher cooling capacity.

Features at a glance

Same characteristics as HP01 AIR, but with the following distinguishing features:

- Higher cooling capacity
- Cooling drum included in scope of supply
- Could also be cooled with compressed air



Description

Standard Set HP01/water cooling, 230 V

Order No.

FBWHP011W230

Scope of delivery:

1 pc. hot press HP01 WATER, 1 pc. Cooling unit 6,4 l with pump, 1 pc. PPuls Controller Element,
1 pc. Edge cutter SE02, 1 pc. Screw driver,
1 pc. Scissors AS04, 1 Set Connecting hoses,
1 pc. Aluminium case

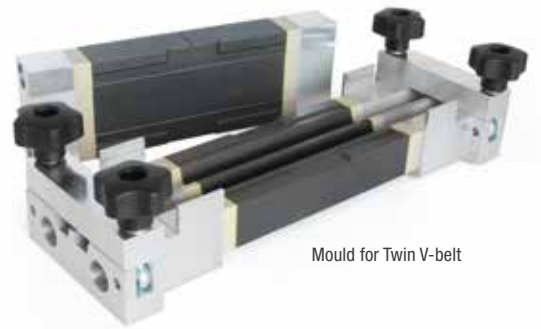


Shaft for HP01 to use with torque wrench available as accessory

FBWHPSD12

Standard moulds for HP01 Hotpress

Moulds for PU and TPE round- and V-belts.
Other dimensions on request.



Mould for Twin V-belt

Round belts

Mould Ø 6,0 mm	FBWFS060
Mould Ø 6,3 mm	FBWFS063
Mould Ø 7,0 mm	FBWFS070
Mould Ø 8,0 mm	FBWFS080
Mould Ø 9,5 mm	FBWFS095
Mould Ø 10,0 mm	FBWFS100
Mould Ø 12,0 mm	FBWFS120
Mould Ø 12,5 mm	FBWFS125
Mould Ø 14,3 mm	FBWFS143
Mould Ø 15,0 mm	FBWFS150
Mould Ø 18,0 mm	FBWFS180
Mould Ø 20,0 mm	FBWFS200

V-belts

Mould (Z) 10x6 mm	FBWFS100X060
Mould (A) 13x8 mm	FBWFS130X080
Mould (B) 17x11 mm	FBWFS170X110
Mould (C) 22x14 mm	FBWFS220X140

V-belt special version

Mould 8x6,5 mm vaulted top	FBWFS080X065
Mould 10x8 mm	FBWFS100X080
Mould 16,35x11,3 mm (bluepower)	FBWFS163X113
Mould 17x11,3 mm (bluepower)	FBWFS170X113

Timing belts (width max. 50 mm)

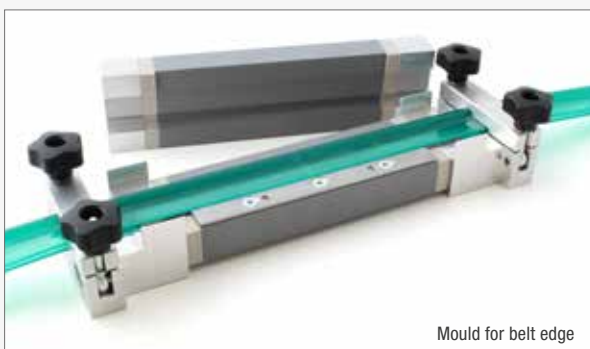
Mould for timing belt HTD5	FBWFZHTD5MN
Mould for timing belt HTD8	FBWFZHTD8MN
Mould for timing belt T5	FBWFZT5N
Mould for timing belt T10	FBWFZT10N
Mould for timing belt AT5	FBWFZAT5N
Mould for timing belt AT10	FBWFZAT10N
Mould for timing belt AT20	FBWFZAT20N
Mould for timing belt H (B: 50,8 mm/2")	FBWFZH0
Mould for timing belt L (B: 50,8 mm/2")	FBWFZL0
Mould for timing belt RPP 8M	FBWFZRPP8MN



Mould for timing belt

Belt edge special version

Mould 14x28 mm	FBWFS14X28
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Mould for belt edge



We would be happy to check the realisation for your belt edge profile.

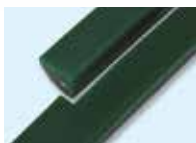
Belt edge profiles can be found on page 83.





SH01

Designed to accurately cut and prepare reinforced profiles for overlap welding with the BEHAbelt HP01 hot press.



Before overlap welding



After overlap welding

Scope of delivery

- 1 pc. Belt cutter SH01
- 1 pc. Screwdriver
- 1 pc. Profile adapter at your choice
- 1 pc. End wrench
- 1 set Washers

Adapters available for the following profiles:

- Round belts \varnothing 6,0 - 20,0 mm
- V-belts 13 x 8 (A), 17 x 11 (B), 22 x 14 (C), bluepower

Dimensions (HxWxD): 200 x 80 x 45 mm

Weight: approx. 1,3 kg

Description

Belt cutter SH01
with 1 profile adapter at your choice

Order No.

FBWSH1

Profile adapters for round belts

Order No.	Description	Dimensions (mm)
FBWSH1R060	Profile adapter for round belts	\varnothing 6,0
FBWSH1R063	Profile adapter for round belts	\varnothing 6,3
FBWSH1R080	Profile adapter for round belts	\varnothing 8,0
FBWSH1R095	Profile adapter for round belts	\varnothing 9,5
FBWSH1R100	Profile adapter for round belts	\varnothing 10,0
FBWSH1R120	Profile adapter for round belts	\varnothing 12,0
FBWSH1R125	Profile adapter for round belts	\varnothing 12,5
FBWSH1R150	Profile adapter for round belts	\varnothing 15,0
FBWSH1R180	Profile adapter for round belts	\varnothing 18,0
FBWSH1R200	Profile adapter for round belts	\varnothing 20,0

Formnester für Keilriemen

Order No.	Description	Dimensions (mm)
FBWSH1K10	Profile adapter for V-belts	10 x 6 (Z)
FBWSH1K13	Profile adapter for V-belts	13 x 8 (A)
FBWSH1K17BP	Profile adapter for V-belts bluepower	17 x 11,3
FBWSH1K17	Profile adapter for V-belts	17 x 11 (B)
FBWSH1K22	Profile adapter for V-belts	22 x 14 (C)
	Profile adapters for special profiles on request	



Profile adapter for round belts



Profile adapter for V-belts

Joining Set CRIMP* - for steel reinforced profiles

The new and improved CRIMP connection supports you to achieve perfect results when connecting belts with steel reinforcement.



Canning industry: Crimp Connection

A special design is the connection of belts with steel reinforcement. Here, the exposed reinforcement is connected with press sleeves and the resulting gap in the connection point is then filled again with material inserts/welding sleeves. Using a profile mould and a hot press, the splice zone is then filled up and welded by pressure and temperature to the rest of the belt.

Our RH-2 joining set is available for this purpose and provides you with the complete equipment and material for creating such a splice.



Tutorialvideo on YouTube



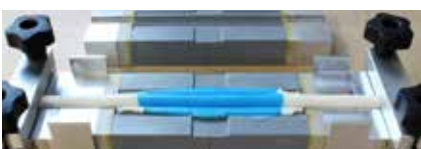
1
Join exposed reinforcement
with press sleeves



2
Fill the gap with
material inserts



3
Positioning of the unwelded
splice into the mould



4
Profile joined by
hot press



Carrying bag



CU crimps



Inner outer welding sleeves



Cable stripper cutter
for can cable



Stripping hook for can cable



Crimping tool RH-2

Scope of delivery CRIMP-Set RH-2

- 1 pc. Carrying bag
- 1 pc. Crimping tool RH-2
- 1 pc. Cable stripper
- 1 pc. Stripping hook
- 3m respectively polyester sleeves (outside/inside)
- 100 pcs. CU crimps

Description

Crimp-Set RH-2 \varnothing 9,5 mm
Crimp-Set RH-2 \varnothing 10 mm
Crimp-Set RH-2 \varnothing 12 mm
Crimp-Set RH-2 \varnothing 12,5 mm

Order No.
FBWRH2SET095
FBWRH2SET100
FBWRH2SET120
FBWRH2SET125

* Ferrules

GENERAL

This welding technology provides perfect process control with the BEHbelt HP01 hot press especially developed for belt profiles and the associated PPuls Element temperature control for sophisticated industrial production of a welded connection.

Thanks to the small design and a number of smart design details this hot press is perfectly suitable for on-site use and in confined spaces. The unit can be made upon request of the customer as a water or air cooled version.

HP01 is the best choice for the best welding results in particular for the production of overlap welds of belt profiles.

USE

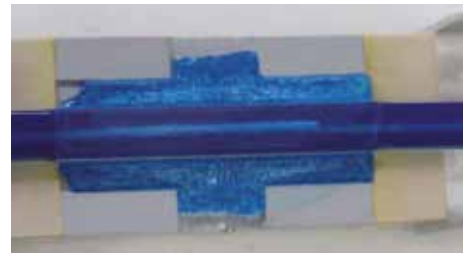
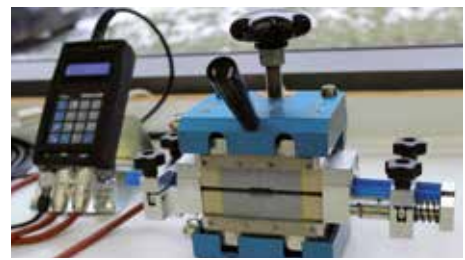
Overlap joints

HP01 is particularly well suited for the production of butt and overlap welds for round and V-belts with a diameter from 6 to 20 mm and for V-belts from 6x4 to 22x14 mm. A suitable mould is used to press the splice under temperature and pressure influence thus producing a firm connection.

For overlap welding, a preparatory work step is required to prepare the welding point by cutting the belt to size. For this purpose the special cutting aid SH01 has been developed which ensures precise preparation for welding in repeatable accuracy. The overlap weld thus achieves the strength of approx. 50% of the reinforcement used. Overlap welding always results in a stiff welding area and therefore it is required to consider this fact when selecting the minimum pulley diameter.

Timing belts and flat belts

Hot press HP01 also offers a further additional benefit with regard to the option of welding timing belts and flat belts up to the max. width of 50 mm in using appropriate moulds. The respective mould delivery program is available. Punching technology for preparation of the connection is not available.



Tutorialvideo on YouTube



Moulds also available for flat belts and timing belts!