

## HS400 & 800

Specially developed hot paddles for butt welding of conveyor belts. The design of the welding device allows easy and professional handling.

### Product features

- HS400 for up to 400 mm belt width
- HS800 for up to 800 mm belt width
- Sophisticated design with positioning aids and stoppers ensures highly repeatable accuracy of weldings
- Clamping lever with locking device
- Robust and handy design of the individual components
- Exact temperature adjustment via control unit
- No adhesion of PU or TPE material due to Teflon-coated heating paddle
- Easy cleaning of the heating blade with a cotton cloth
- Reduced risk of injury during cutting due to practical cutting device
- Welding unit delivered in a mobile, stable transport box for easy use on site
- Smallest weldable belt length  $L_f = 800$  mm



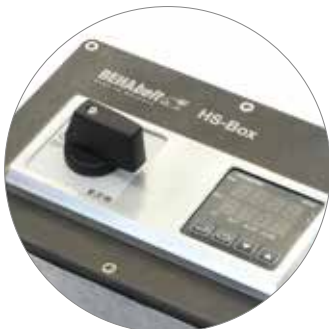
### HS400S / HS800S

Special design for short belt lengths from  $L_f = 500$ mm



### Scope of delivery:

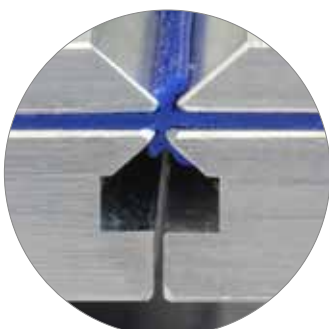
- 1 pc. HS 400-Set (consisting of HS-BOX, HS400, FT400, Bead remover, insert-bar and transport case 400)
- 1 pc. HS 800-Set (consisting of HS-BOX, HS800, FT800, Bead remover, insert-bar and transport case 800)



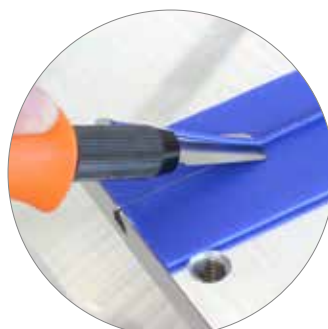
Robust and easy to use control unit for temperature control



Insert bar for repeatable welds



Clamping bars with chamfer for optimum shaping of the welding bead



Easy removal of the welding bead with the supplied tool

### Description

HS400 Welding set in case  
35,0 kg, approx. 50 x 95 x 30 cm (BxLxH)

HS800 Welding set in case  
48,0 kg, approx. 50 x 135 x 30 cm (BxLxH)

**Order No.**  
**FBWHS400**

**FBWHS800**

### Individual components:

HS BOX (Control unit for HS400/800)  
1,2 kg, approx. 18 x 20 x 15 cm (WxLxH)  
Power: max. 3,2 kW / 230V AC

**FBWHSB01**

HS400 (Heating paddle 400mm)  
1,2 kg, approx. 8 x 60 x 17 cm (WxLxH)  
Power: 2,3 kW / 230 V AC

**FBWHS400S01**

HS800 (Heating paddle 800mm)  
1,7kg, approx. 8 x 100 x 17 cm (WxLxH)  
Power: 3,2 kW / 230 V AC

**FBWHS800S01**

HS400S (Heating paddle 400mm)  
1,2 kg, approx. 8 x 60 x 17 cm (WxLxH)  
Power: 2,3 kW / 230 V AC

**FBWHS400S02**

HS800S (Heating paddle 800mm)  
1,7kg, approx. 8 x 100 x 17 cm (WxLxH)  
Power: 3,2 kW / 230 V AC

**FBWHS800S02**

FT400 (Joining table for HS400)  
12,5 kg, approx. 28 x 55 x 20 cm (WxLxH)

**FBWHS400FT01**

FT800 (Joining table for HS800)  
20,0 kg, approx. 28 x 95 x 20 cm (WxLxH)

**FBWHS800FT01**



## WELDING TECHNOLOGY FOR ELASTIC MONOLITHIC BELTS

Elastic monolithic PU conveyor belts from BEHAbelt offer new fabrication possibilities. Due to the lack of traction layers joining by finger welding is no longer necessary, as the monolithic belt has a homogeneous design – even in the weld seam.

The welding device HS from BEHAbelt is a simple, handy, reliable and cost-effective tool for butt joining of monolithic belts. Depending on customer requirements, two versions are available with the joining table and heating paddle for max. belt widths up to 400 and up to 800 mm.

The simple operation in combination with the intuitive production aids enables a repeatable and high-quality connection of the belts.

Optional adapter plates ensure precise positioning and clamping of the butt ends to be welded.



Compact and mobile: the practical HS welding tool for monolithic conveyor belts

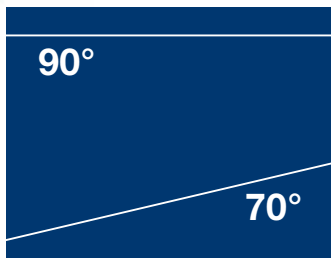
Angle to straight (90°) and bias (70°) cutting of the belts directly in the welding unit (included in the scope of delivery).



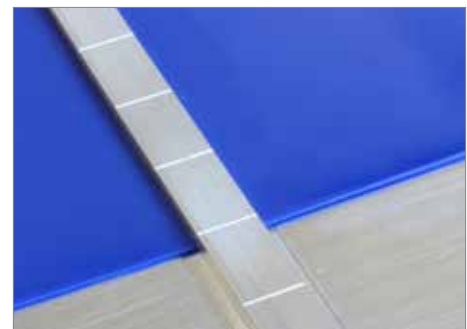
Tutorialvideo on YouTube



Robust aluminium bars support (70° and 90°) the precise insertion of the belt ends and ensures a high repeat accuracy (included in the standard scope of delivery).



Straight weld with 90° and angled joint with 70° (e.g. for check weighers)



Precise and aligned insertion of the belt ends.

### Adapter plates for HS400 & 800

Adapter plates Spike (HS400)	FBWHS4APSP
Adapter plates Spike (HS800)	FBWHS8APSP
Adapter plates AT5 (HS400)	FBWHS4APT5
Adapter plates AT5 (HS800)	FBWHS8APT5



For optimum alignment and clamping of the belts to be welded in the joining table, optional adapter plates for more complex structures are available (not included in the standard product range).



Locking pins ensure the correct positioning of the adapter plates on the joining table.