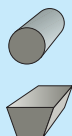
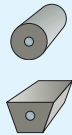



Recommendation - Welding Technology

for Polyurethane [PU] and Polyester [TPE] profiles

Profile	Material	Form	Recommended Welding technology	Required Welding accessories	Comment
 <p>Round belts/ V-belts</p>	TPU	< 6 mm < 6 x 4 mm, 32 x 20 mm*	Multi TC (Paddle welder)	Guide Clamp FZ01 and FZ02/3*	The temperature controlled Multi TC welding instrument with handy size is suitable for skilled workers and a small quantity of weldings. Heating time approx. 5 min.
		6 - 20 mm 6 x 4 - 22 x 14 mm	RS02 (Friction Welder)	Jaws per profile (1 free set of jaws per delivery)	Safe and user friendly weldings of PU-belts within seconds. Jaws depending on profile. Easy and simple change of jaws.
	TPE	diverse	Multi TC (Paddle welder)	Guide Clamp FZ01/FZ02/3	The temperature controlled Multi TC welding instrument with handy size is suitable for skilled workers and a small quantity of weldings. Heating time approx. 5 min.
		diverse	HP01 (Hotpress)	Mould depending on profile	The hotpress with programmable controller guarantees a high process reliability and is especially suitable for Polyester belts. Welding time approx. 6-15 min.
 <p>Round belts/ V-belts with rein- forcement</p>	TPU	6 - 20 mm	RS02 (Friction Welder)	Jaws per profile (1 free set of jaws per delivery)	Safe and user friendly welding of PU-belts within seconds. Reinforcement have to be drilled out -> no welding of reinforcement. Note: Patented, weldable glass fiber PU reinforcement available.
	TPU/ TPE	diverse	FZ03 (Overlap welding tool, Z-shape welding paddle)	Jaws depending on profile (9 set of jaws included within delivery)	The overlap welding is especially suitable for belts with reinforcement. Produces higher working load due to the overlap of the reinforcement in the weld. Heating up time of paddle approx. 10 min. Welding time approx. 6 min.
		diverse	HP01 (Hotpress)	Mould depending on profile	The HP01 hotpress with programmable controller guarantees a high process reliability. The overlap welding is especially suitable for belts with reinforcement. Produces higher working load due to the overlap of the reinforcement in the weld. Welding time approx. 6 - 15 min. Reinforcement don't have to be drilled out!
 <p>Special profiles</p>	TPU	diverse	RS02 (Friction Welder)	Jaws per profile	Safe and user friendly weldings of PU-belts within seconds. Jaws depending on profile. Easy and simple change of jaws.
		diverse	HP01 (Hotpress)	Mould depending on profile	The HP01 hotpress with programmable controller guarantees a high process reliability. Welding time approx. 6 - 15 min.
	TPE	diverse	HP01 (Hotpress)	Mould depending on profile	The hotpress with programmable controller guarantees a high process reliability and is especially suitable for Polyester belts. Welding time approx. 6 - 15 min.
	TPU/ TPE	diverse	Multi TC (Paddle welder)	Guide Clamp FZ02/3 with special jaws	The temperature controlled Multi TC welding instrument with handy size is suitable for skilled workers and a small quantity of weldings. Heating time approx. 5 min.
 <p>Special profiles with rein- forcement</p>	TPU	diverse	RS02 (Friction Welder)	Jaws per profile	Safe and user friendly welding of PU-belts within seconds. Reinforcement have to be drilled out -> no welding of reinforcement. Note: Patented, weldable glass fiber PU reinforcement available.
		diverse	HP01 (Hotpress)	Mould depending on profile	The HP01 hotpress with programmable controller guarantees a high process reliability. The overlap welding is especially suitable for belts with reinforcement. Produces higher working load due to the overlap of the reinforcement in the weld. Welding time approx. 6 - 15 min. Reinforcement don't have to be drilled out!
	TPE	diverse	HP01 (Hotpress)	Mould depending on profile	The HP01 hotpress with programmable controller guarantees a high process reliability. The overlap welding is especially suitable for belts with reinforcement. Produces higher working load due to the overlap of the reinforcement in the weld. Welding time approx. 6 - 15 min. Reinforcement don't have to be drilled out!

Welding instruments and Joining tools

for Polyurethane [PU] and Polyester [TPE] profiles

"Every belt is only as good as the splice!"

Welding instruments

Friction Welding Machine RS02 for Polyurethane profiles

For a perfect and fast splice of Polyurethane profiles every time!

Description
Friction Welding Machine RS02



Article No.
FBWRS021230V

Hotpress HP01 for overlap- and standard welding

Polyurethane & Polyester

Programmable Hotpress for highest welding security.

Description
Hotpress HP01



Article No.
FBWHP01230V

Multi TC Temperature-controlled welding instrument

Accurate welding temperature. For two temperature ranges:
PU 290 °C / Polyester 240 °C



Polyurethane & Polyester

Description
Multi TC 230 V ~ 50/60 Hz

Article No.
FBWMTC230

Sets

FZ03 Overlap welding tool

Professional and safe overlap welding of Polyurethane and Polyester profiles.

Description
FZ03-Set



Article No.
FBWFZ03SET01

Welding kit and Carrying bag

For small profiles – Welding instruments and Joining tools at choice (see delivery programme)

Description
Welding kit and Carrying bag



Pro Aluminium box for Round- and U-belts

Unloaded box with foam inlay - Tools of choice

Description
Aluminium box for Round- & V-belts

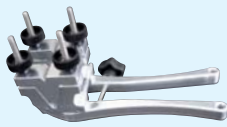


Joining tools

Guide clamp FZ02/3 for Round- and V-belts

Robust and accurate for V-belts up to profile 32 and Round belts from Ø 8 mm

Description
Guide clamp FZ02/3



For 90°-welding

Article No.
FBWFZ02/3

Guide clamp FZ01 for Round- and V-belts

Handy and lightweight for Round belts up to Ø 10 mm and V-belts up to profile 10 (Z)

Description
Guide clamp FZ01



Article No.
FBWFZ01

Scissors AS04 Scissors with movable angular stop

For 45°, 60°, 75°, 90°, 105°, 120° and 135° cuts

Description
Scissors AS04



Article No.
FBWAS04

For the whole product line of welding instruments and joining tools please refer to the BEHAbelt delivery programme.

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