

PFAFF

fine sewing

3119

New electronic
buttonholer



PFAFF 3119

During the development of the new electronically controlled buttonholer, PFAFF 3119, we focused consistently on the optimum use for the customer, the creation of an intelligent solution with maximum sewing performance and reliability despite a high stress on the thread, and an unrivalled variety of buttonholes.

By using electronic control and drive components functional sequences could be optimised. The 3119 is a modern, high-performance automatic sewing machine, for flexible use, which meets the highest quality requirements. The PFAFF 3119 is designed for use in manufacturing shirts and blouses and similar articles of clothing. It is also possible to use it for sewing pillow- and blanket covers, and for all other articles of linen with buttonholes.

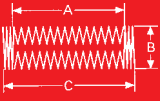
The attachment of one side of a label, or the hemming and cutting of tapes are special applications, for which the PFAFF 3119 is also suitable. It is necessary to clarify in each individual case whether the article is suitable for sewing. With the PFAFF 3119 difficult materials such as silk or knitted fabrics can be sewn without problems by fitting suitable accessories.

Pearl- or whipstitched buttonholes on all 3119 versions



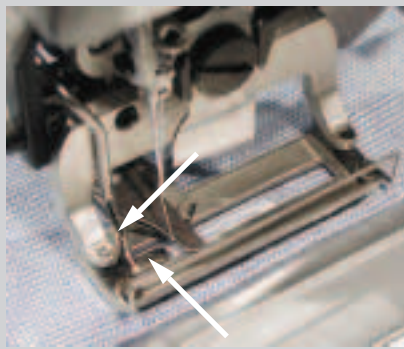
31 different buttonhole styles. Stitch density, buttonhole length, buttonhole width and opening cut can be altered quickly and simply on the control panel.



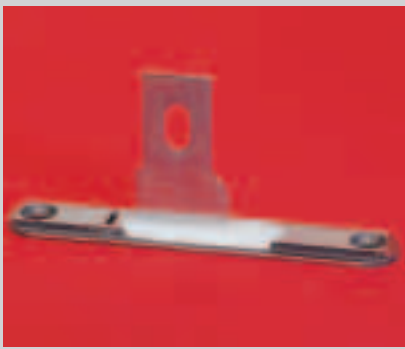
3119	Shirt buttonholes (standard)						Knitted fabrics		Large buttonholes up to 70 mm
	-1/51	-1/52	-2/51	-2/53	-3/51	-4/51	-2/62	-2/63	-5/51
Buttonhole-size <i>in mm</i> 	A 6.4 - 19 B 2.0 - 4.5 C up to 24	A 6.4 - 19 B 2.0 - 4.5 C up to 24	A 6.4 - 25.4 B 2.0 - 4.5 C up to 31	A 6.4 - 25.4 B 2.0 - 5.5 C up to 31	A 6.4 - 31.7 B 2.0 - 5.5 C up to 39.7	A 12.7 - 38.1 B 2.0 - 5.5 C up to 48	A 6.4 - 25.4 B 2.0 - 4.5 C up to 31	A 6.4 - 25.4 B 2.0 - 5.5 C up to 31	A 6.4 - 38.1 * B 2.0 - 5.5 C up to 70 * multiple cutting
Work clamp cut-out in mm	30.0 x 5.6	30.0 x 5.6	40.0 x 5.6	40.0 x 6.7	46.0 x 6.7	55.0 x 6.7	40.0 x 5.6	40.0 x 6.7	77.0 x 7.0
Die cut device		✓					✓	✓	✓
Narrow buttonholes with maximum width 4.5 mm	✓	✓	✓				✓		
Wide buttonholes with maximum width 5.5 mm				✓	✓	✓		✓	
Cutting length in mm	6.4 9.5 11.0 12.7 14.0 16.0 17.5	6.4 9.5 11.0 12.7 14.0 16.0 17.5	6.4 9.5 11.0 12.7 14.0 16.0 17.5 19.0 22.2 25.4	6.4 9.5 11.0 12.7 14.0 16.0 17.5 19.0 22.2 25.4	6.4 9.5 11.0 12.7 14.0 16.0 17.5 19.0 22.2 25.4 28.6 31.7	6.4 9.5 11.0 12.7 14.0 16.0 17.5 19.0 22.2 25.4 28.6 31.7 33.7 35.0	6.4 9.5 11.0 12.7 14.0 16.0 17.5 19.0 22.2 25.4	6.4 9.5 11.0 12.7 14.0 16.0 17.5 19.0 22.2 25.4	6.4 9.5 11.0 12.7 14.0 16.0 17.5 19.0 22.2 25.4 28.6 31.7 33.7 35.0



Off-set arm for easy placing/handling of workpiece



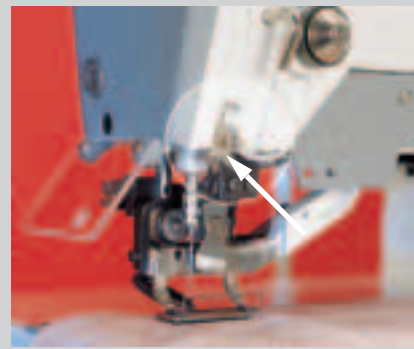
The floating cloth retainer (patented) ensures a perfect stitch formation on polo and knitted fabrics. (Only subclasses 2/62 and 2/63)



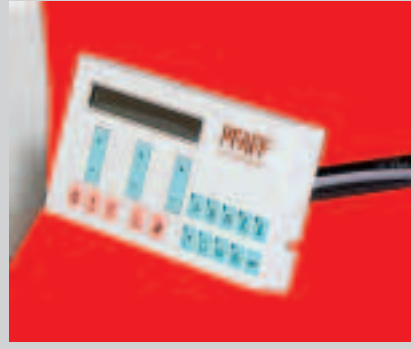
The die cut device components - For delicate fabrics



Servo sewing drive integrated in housing

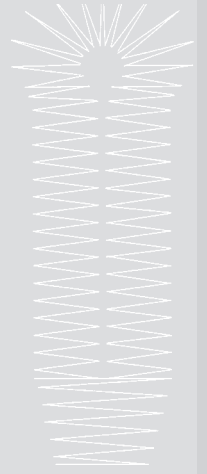


Thread monitor with optical sensor



Well arranged control panel in good view with direct access to the most important buttonhole parameters

Features/Advantages



■ Top sewing reliability

- No feeding motion when the needle penetrates and the thread loop is picked up
- Programmable thread tension control and low thread tension

■ High performance

- The cycle time for a buttonhole with 130 stitches is less than 3 seconds
- Optimum acceleration and brake properties due to the servo sewing drive unit with reduced flywheel mass

■ Excellent stitch quality

- Regular and even seam; exact bartacks
- The stepping motor technology guarantees accurate stitches at any speed

■ High flexibility

- A choice of 31 different buttonhole styles. Stitch density, buttonhole length, buttonhole width and opening cut can be altered quickly and simply on the control panel.

- The drive motor integrated in the machine housing offers the basis for a low-noise, vibration-free and compact design

- The fully electronic design guarantees extremely easy maintenance as very few mechanical components are being used

- With the use of the easy-to-operate software, SAM (PC/Win), modified buttonholes can be transferred to the machine. All parameters can be stored in SAM and transferred to other machines.

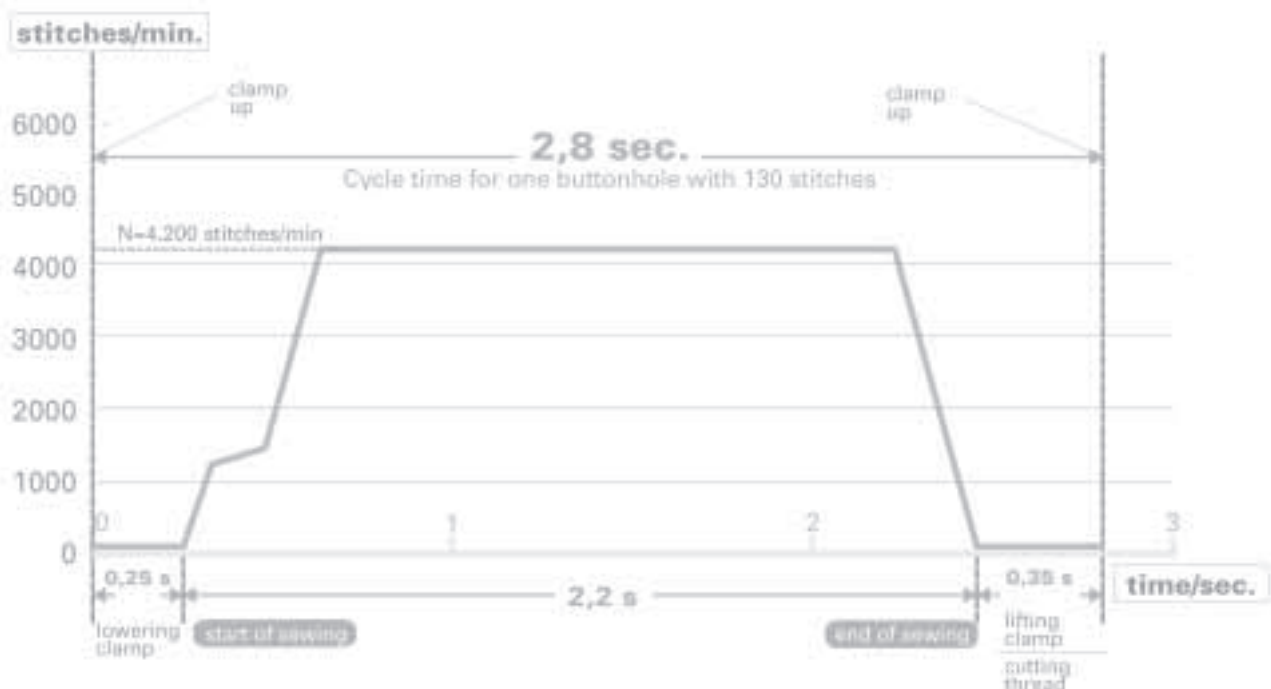
- When selecting a different (longer) buttonhole length, the automatic multiple cutting device can be activated, thus rendering a knife change unnecessary.

- For delicate materials, such as silk and similar fabrics, the 3119-1/52 is delivered with a punching device for optimum cutting of the buttonhole without pulling the thread.

- Wear-resistant machine design even under maximum use (several shift operation)

- A patented floating retainer for the sub-classes -2/62 and -2/63 guarantees a perfect buttonhole on knitted fabrics (high sewing reliability)

- An integrated compressed air compressor (optional) enables machine operation independent of an external air supply



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Specifications:

Max. sewing speed:

4200 stitches/min., depending on the material and operation

Stitch type:

304

Max. possible fabric thickness:

3 mm (pressed)

Work-clamp lift:

12 mm

Buttonhole dimensions:

max. 48 mm x 5.5 mm

Zig-zag stitch:

max. 5.5

Cutting length:

6.4 mm – 38.1 mm

Input power rating:

1.2 kW

Working air pressure:

6 bar

Dimensions of sewing place approx.:

Length: 1060 mm

Width: 600 mm

Height: 1270 mm

Hotlines:

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Application consultancy : ++49-175/2243-102

Spare-parts hotline : ++49-175/2243-103



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