

PFAFF 3801

Integrated sewing station for pre-gathering sleeves and bridle-taping armholes

- One of the most difficult sewing operations in the men's and boyswear and ladies' outerwear segments – attaching sleeves – is greatly simplified by the use of the PFAFF 3801: By pre-gathering the sleeve, the basis for perfect quality is created, even with less qualified operating personnel.
- The following work processes can be carried out on the class 3801:
 - Pre-gathering sleeves (sleeve head)
 - Sewing in an interface strip (when pre-gathering)
 - Bridle-taping armholes (jacket backs and fronts).Sleeves can be sewn both in closed and open states.
- The communication with the machine takes place using a graphic control panel which is positioned within the field of vision of the operator. In addition to seeing all the required data, the sewing process can be followed and controlled in the display.
- The sewing program is created using the Teach-In process or via direct data input in a primary size. Size graduations and mirroring (left/right) take place automatically. The operator is instructed through these processes via simple symbols.

Equipment characteristics:

- Machine head PFAFF 5487/5489 with differential bottom feed and top feed and a thread trimmer (option -1/07)
- Control panel BDF1 with graphic display
- Memory for 24 sewing programs (models) based on the most common international size systems.
- Servomotor for the infinitely variable application of fullness.
- Quick-synchro sewing drive with non-wear, cost saving, DC power technology, without clutch or brake.
- Tape feeder No. 91-084 381-90 (option) for sewing bridle tapes.
- Sub-class -10/071: Automatic tape feed and cutting in the material

Performance data:

- Pre-gathering closed sleeves with interface strip: approx. 500 pairs in 8 hours.
- Pre-gathering open sleeves (with interface strip): approx. 550 pairs in 8 hours.
- Bridle taping sleeves (jacket backs and front parts): approx. 500 pairs in 8 hours.

Instructions for use:

- The PFAFF 3801 offers the following alternatives for bridle-taping work on the armhole:
 - Tape feeder
No. 91-188 329-70/895 (optional for -1/07 and -1/071) for feeding the bridle tape without tension.
The tape is cut manually.
 - Automatic bridle tape feed and tape cutting, even in the material, with sub-class -10/071.
- When pre-gathering sleeves while simultaneously sewing in an interface strip, a bridle tape is not necessary. In this case it is recommended to use the machine with thread trimmer (-1/071).
- The programmed application of fullness and attaching the sleeve can be carried out in one operation (PFAFF 3834-3/11).

Advantages of pre-gathering with the PFAFF 3801:

- The interface strip sewn in when pre-gathering with the 3801 fills out the fullness area in the sleeve better and prevents creasing in the front.
- Almost the same amount of time is required as when sewing in directly, because in the direct process the interface strip must be sewn in using a separate workstep.
- Shorter training time and low qualification requirement when subsequently attaching the sleeve.

- With the PFAFF 3801 for pre-gathering and the PFAFF 3834 for sewing in the pre-gathered sleeve, you have the perfect, most effective combination in every respect.

Specifications:

Machine head:

PFAFF 5487/5489-814/01
-706/81-650/80

Stitch type:

401 (double chainstitch)

Max. stitch length:

2.1 mm

Needle system:

4463-35-cf

Max. sewing speed:

3200 SPM

Drive:

Electronic stop-motor

Mains voltage:

Three-phase current 220/380 V,
50-60 Hz; 420 V, 50 Hz

Wattage:

0.55 kW

Dimensions:

1.365 x 0.95 m

Net weight:

approx. 115 kg