

**PFAFF®**  
Industrial

**3704**

Engineered workplace  
for jacket collar production



# PFAFF 3704

## Attaching undercollar to top-collar

This highly-specialized workplace is used for working on sports jackets, suit jackets, blazers and similar articles.

When manufacturing jackets, a homogenous collar design is an indispensable quality feature. The PFAFF 3704 has special attachments, which enable an exact distribution of the fullness and which, after a short training period for the operator, ensure an optimum and uniform collar shape.

The PFAFF 3704 is available in 2 versions, which are matched to the two most frequent processing methods used:

### Work method of the PFAFF 3704-2/02 and PFAFF 3704-2/03

Sewing start with automatically condensed stitches and activated differential bottom feed up to the corner of the collar with application of the fullness in the underlying top collar.

After the needle has been positioned in the corner of the collar, turn the workpiece by 90 degrees and sew the long side up to the second collar corner. Here, too, the fullness is applied to the underlying top collar where required.

After the needle has been positioned in the second collar corner, turn the workpiece by 90 degrees and sew the last section.

With the reverse pedal function, the automatic stitch condensation, thread trimming and automatic foot lift functions are triggered. The automatic thread puller guarantees a reliable seam start in the next part even with the largest zigzag stitch set.

#### Result with the PFAFF 3704-2/02:

The thread drawing finger, which is attached to the sewing foot, ensures a loose stitch formation and achieves an imitated hand-sewn effect when the collar is turned.

#### Result with the PFAFF 3704-2/03:

The sewing fittings used here (subclass -32/23) result in a visible zigzag seam when the collar is turned.

### Advantages:

- Consistently uniform collar shape as the undercollar felt is not pulled out of shape while fullness is being applied into the top collar.
- Identical sewing of undercollars and top collars due to a special edge guide.
- Imitated hand-sewn effect on the edge of the collar after the collar is turned (tailored look)
- Soft collar processing, a big advantage when sewing thin materials
- Efficient processing method with low demands on the operator

### Performance data:

- Effective output of approx. 500 - 600 jacket collars in 8 hours



Area of applications:	3704-2/02	3704-2/03
Production number:	901-3704-103/001	901-3704-103/002
Attaching undercollar to top-collar	✓	✓
Attaching undercollar to top-collar, incl. collar corners	✓	
Attaching undercollar stand to undercollar	✓	✓
Hand-sewn effect on the edge of the undercollar after turning	✓	
Seamless undercollar edge		✓

Equipment:	3704-2/02	3704-2/03
Sewing head PFAFF 939-65/23 with thread drawing appliance	✓	
Sewing head PFAFF 939-32/23 without thread drawing appliance		✓
Differential bottom feed with quick adjustment function	✓	✓
Thread trimmer -900/24	✓	✓
Automatic presser foot lifter -910/04	✓	✓
Automatic backtacking system -911/35		✓
Automatic stitch condensation -917/15	✓	
Thread puller -908/02	✓	
Optical indicator -918/14 for activated differential feed	✓	✓
Sewing drive QE 3760 P40 ED	✓	✓

## Specifications:

**Max. speed:**

5,000 s.p.m. (work speed 4,200 s.p.m.)

**Max. stitch length:**

Basic stitch length 2.5 mm  
Gathering stitch length 4.5 mm

**Max. stitch width:**

6 mm

**Needle system:**

134 EL

**Needle size:**

Nm 80 – 100

**Fabric clearance:**

4 mm

**Drive:**

Quick Eco Drive QE 3760 P 40 ED

**Max. motor speed:**

4,000 r.p.m.

**Input rating:**

0.55 kW

**Connection voltage:**

230 V +/- 10%, 50-60 Hz

**Working pressure:**

6 bar

**Air consumption:**

approx. 1 l / cycle

This machine is equipped with finger-guard,  
belt- and take-up lever guards as standard.

Subject to alterations in design, dimensions and weight.

**Hotlines:**

Technical service: +49-175/2243-101

Application consultance: +49-175/2243-102

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



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