

**PFAFF**<sup>®</sup> Industrial

## 581/583

The latest generation of  
lockstitch high-speed seamers



by PFAFF<sup>®</sup> Industrial  
**Made**  
in Germany

# Features 581/583

„Made in Germany“

- Modern and robust high-speed seamer, which can be used in all branches of the sewing industry
- Optimum sewing reliability, even at maximum sewing speed
- Excellent feeding characteristics, even at low presser foot pressures
- Very quiet, vibration free operation
- Fixed metering of hook and needle-bar lubrication
- Large selection of additional equipment for the most varied requirements
- No compressed air required. The functions thread trimming, presser foot lifting and backtacking are electromagnetically controlled
- Option: Thread nipper -909/14 (controlled electronically). The presser foot is raised momentarily and the needle thread is pulled through to the underside of the workpiece.
- Best material feeding properties due to eccentric for tilting the feed dog
- Double bearings on needle bar, take-up lever and feed regulator components (→ head is capable for automatic units)







PFAFF 581

SMP



Puller with adapted foot  
(closed)



Puller with standard presser  
foot and adapter



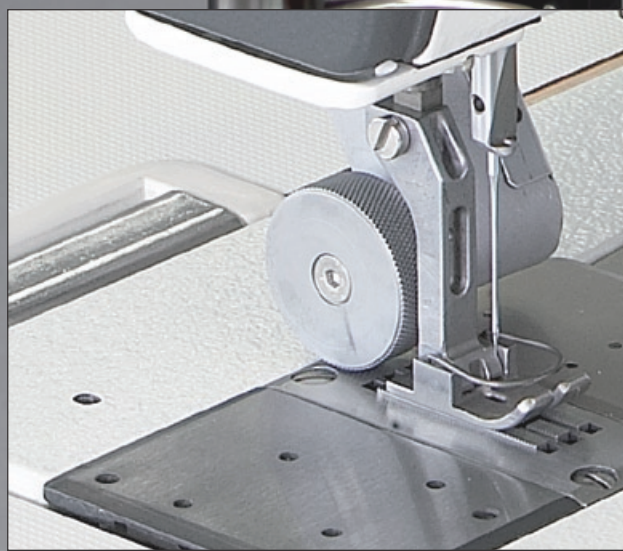
Easy adjustment to different  
puller widths

PFAFF

## PFAFF 583-810/301 with Puller -948/26

The new PFAFF puller drive generation for high-speed seamers with intermittent puller feed is just right for main application sectors such as seam closing, top-stitching and hemming mainly long seams. The highly-efficient intermittent puller feed makes the work of the operator easier in a large number of cases. The result with the puller machines is a high-quality seam. Smooth, elegantly falling seams on difficult light to medium materials are the strong point of the PFAFF intermittent puller feed.

PFAFF 580





The background image is a close-up, slightly blurred photograph of a sewing machine. On the left, a black puller roller is visible, mounted on a metal frame. To its right, a control panel with a digital display and several buttons is partially visible. The machine's body is a light grey or white color. The overall lighting is soft, highlighting the metallic and plastic components.

## Features 583

with Puller -948/26

- Using the control panel, the puller roller feed and roller pressure are adapted directly and simply to the requirements, therefore ensuring smooth seams
- The all-purpose machine - the puller can be raised, stopped and swung out of the work area manually
- Very quiet, vibration free operation
- Puller unit can be shifted to the side of the needle
- Puller roller (steel): 10 mm width (standard for general operations)
- Puller roller (plastic) in different widths for special operations: 10, 15, 20 and 30 mm
- Microfine to medium parts sets for best feed properties
  - 34/93 A N3,0
  - 8/93 B N4,5
- „Flash facility“ for software updates without changing the E-prom and without opening the control unit
- By storing the individual settings, the sewing head auto select system makes servicing easy

# Overview of the 580

The high-speed sewing machines 580 is available in the following versions with varying equipment:

	CLASSIC	PLUS	PREMIUM
<b>583</b> with drop feed	●	●	
<b>583</b> with drop feed and intermittent puller feed			●
<b>581</b> with compound feed	●	●	●
Version of machine – from fine to medium heavy (A, B, C)	●	●	●
Horizontal hook, standard Ø 22 mm	●	●	●
Thread trimmer, < 14 mm thread ends (-900/24)	●	●	●
Thread nipper, electromagnetically (-909/14)		●	●
Presser foot lift, manual by hand lever	●	●	●
Presser foot lift, manual by knee lever	●	●	
Automatic presser foot lift, electromagnetically		●	●
Knee switch for foot lifting (with puller)			●
Manual backtacking with hand lever	●	●	●
Automatic backtacking, electro-pneumatic (-911/37)	●	●	●
Selectable stitch lengths by up to 4.5 mm	●	●	
Mounting facilities (in bed plate) for attachments	●	●	●
Oil-lever indicator	●	●	●
Fresh oil lubrication for hook and the head parts	●	●	●
Sewing feet pressure, manually adjustable by knuckle switch	●	●	●
DC motor MD-4-58 incl. BDF C200-1.0 for the versions A, B, C (integrated drive)	○	○	
DC motor PFAFF P41 PD2 incl. BDF PicoTop for the versions A, B, C (integrated drive)	○	○	
DC motor P 350 EDx for the versions A and B			●
Built in LED sewing light in the machine head, dimmable	○	○	●
Bobbin thread winder with knife	●	●	●

● Standard  
○ Option

# Versions of the 580\*

## 581-310/001 CLASSIC

Single-needle high-speed seamer with compound feed

- Small horizontal hook for threads up to 30/3\*\*
  - Thread trimmer, automatic backtacking system
  - Max. sewing speed 5,000 s.p.m.
- Drive at buyer's choice:
- DC motor MD-4-58 incl. control panel C200-1.0 or
  - DC motor PFAFF P41 PD2 incl. control panel PicoTop

## 581-510/001 PLUS

Single-needle high-speed seamer with compound feed

- Small horizontal hook for threads up to 30/3\*\*
  - Thread trimmer, thread nipper device, automatic presser foot lift, automatic backtacking system
  - Max. sewing speed 5,000 s.p.m.
- Drive at buyer's choice:
- DC motor MD-4-58 incl. control panel C200-1.0 or
  - DC motor PFAFF P41 PD2 incl. control panel PicoTop

## 583-310/001 CLASSIC

Single-needle high-speed seamer with drop feed

- Small horizontal hook for threads up to 30/3\*\*
  - Thread trimmer, automatic backtacking system
  - Max. sewing speed 5,500 s.p.m.
- Drive at buyer's choice:
- DC motor MD-4-58 incl. control panel C200-1.0 or
  - DC motor PFAFF P41 PD2 incl. control panel PicoTop

## 583-510/001 PLUS

Single-needle high-speed seamer with drop feed

- Small horizontal hook for threads up to 30/3\*\*
  - Thread trimmer, thread nipper device, automatic presser foot lift, automatic backtacking system
  - Max. sewing speed 5,500 s.p.m.
- Drive at buyer's choice:
- DC motor MD-4-58 incl. control panel C200-1.0 or
  - DC motor PFAFF P41 PD2 incl. control panel PicoTop

## 583-510/401 PLUS

Single-needle high-speed seamer with roller presser and drop feed

- Small horizontal hook for threads up to 30/3\*\*
  - Thread trimmer, thread nipper device, automatic presser foot lift, automatic backtacking system
  - Max. sewing speed 4,500 s.p.m.
- Drive at buyer's choice:
- DC motor MD-4-58 incl. control panel C200-1.0 or
  - DC motor PFAFF P41 PD2 incl. control panel PicoTop

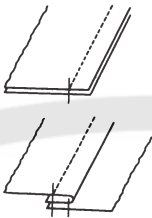
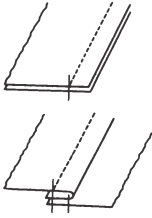
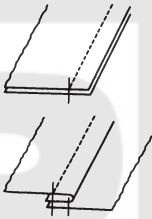
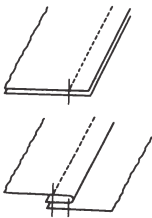
## 583-810/301 PREMIUM

Single-needle high-speed seamer with drop feed and intermittend puller feed

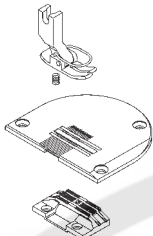
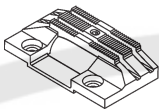
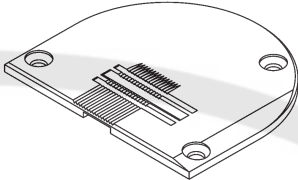
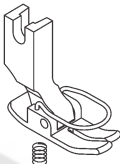
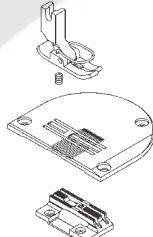
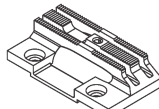
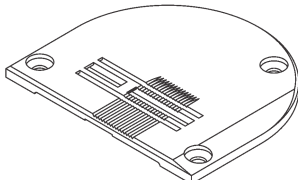
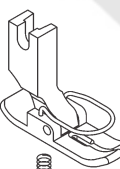
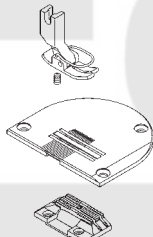
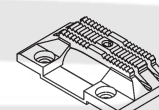
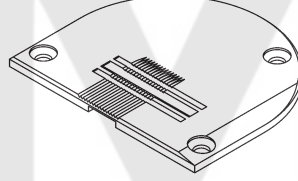
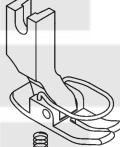
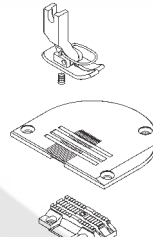
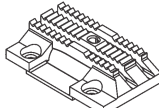
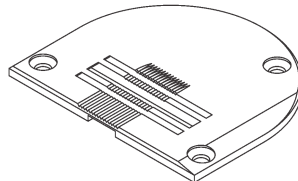
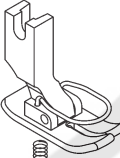
- Small horizontal hook for threads up to 30/3\*\*
- Thread trimmer, thread nipper device, automatic presser foot lift, automatic backtacking system
- Walzentransport intermittierend, Pullerarm aus dem Arbeitsbereich ausschwenkbar
- Max. sewing speed 5,000 s.p.m.
- DC motor P 350 EDx (A, B)

\* further on request  
\*\* depending on parts set

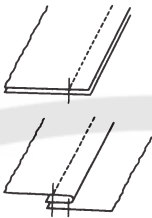
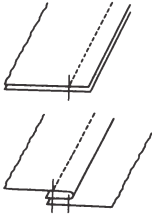
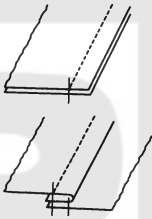
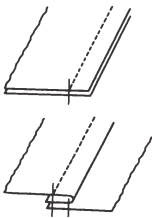
# Parts kits 581

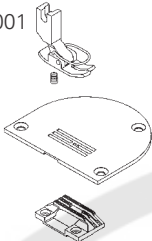
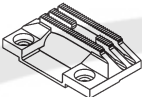
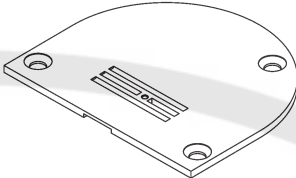
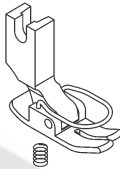
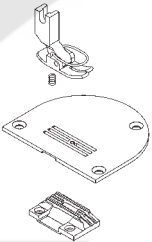
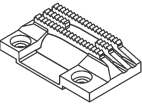
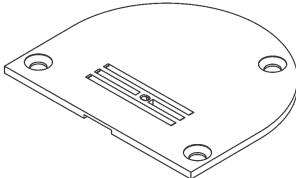
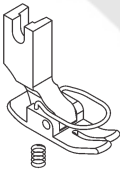

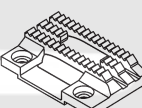
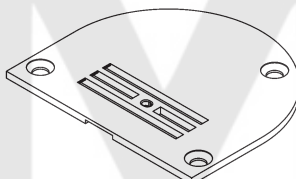
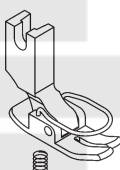


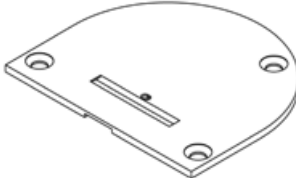

Parts kit	Seam construction	Operation
-34/11 A N3,0		Standard parts kit for sewing delicate materials e.g. • Top-stitching of sleeves and side seams
-34/12 A N3,0		Parts kit (bridge style) for sewing delicate materials e.g. • Cuffs, collars
-8/11 B N4,5		Standard parts kit for sewing medium materials e.g. • Trousler waistbands, waistband linings
-8/13 C N4,5		Standard parts kit for sewing medium heavy materials e.g. • Pockets, labels, top-stitching of waistbands



	Parts kit (complete)	Feed dog	Needle plate	Hinged presser foot
	91-202 826-91 	91-159 078-05 	91-151 016-25 	91-154 804-21 
	91-202 805-91 	91-159 080-05 	91-150 997-25 	91-154 837-21 
	91-202 822-91 	91-159 079-05 	91-151 017-25 	91-154 804-21 
	91-202 836-91 	91-159 082-05 	91-151 029-05 	91-154 986-21 

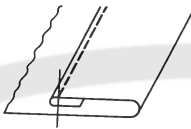
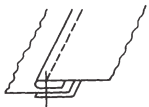
# Parts kits 583

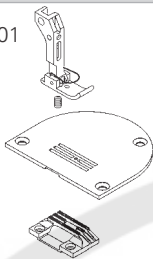
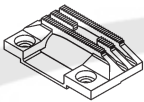
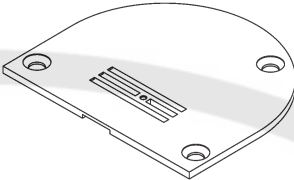
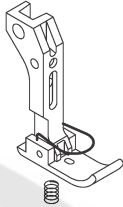
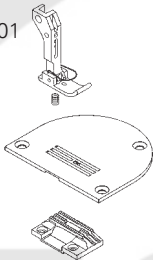
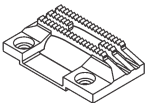
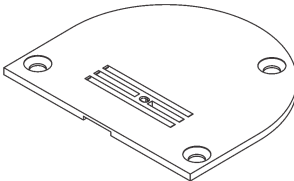
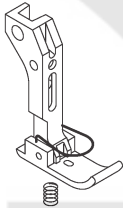
Parts kit	Seam construction	Operation
-34/31 A N3,0		Standard parts kit for sewing delicate materials e.g. • Shoulder seams, labels, hemming of shirts
-8/31 B N4,5		Standard parts kit for sewing medium materials e.g. • Pocket pouches, fly pieces
-8/33 C N4,5		Standard parts kit for sewing medium heavy materials e.g. • Pocket pouches, fly pieces
-8/44 B N4,5		Top-stitching with roller presser for sewing medium heavy materials • Leather belts, purses, little cases

	Parts kit (complete)	Feed dog	Needle plate	Hinged presser foot
	91-202 809-93/001 	91-159 081-05 	91-151 011-25 	91-154 843-23/001 
	91-202 828-91 	91-159 062-05 	91-150 999-25 	91-154 807-21 
	91-202 837-93/002 	91-159 075-05 	91-151 030-24/002 	91-154 845-23/001 
ls e.g.	91-202 830-93/002 	91-159 076-04/002 	91-151 013-24/002 	91-051 155-93/001 











## Parts kits 583 with puller -948-26 (PREMIUM version)

Parts kit	Seam construction	Operation
-34/93 A N3,0		<ul style="list-style-type: none"> <li>• Button stays, button hole stays, hemming of long fabric sheets</li> </ul>
-8/93 B N4,5		<ul style="list-style-type: none"> <li>• Shoulder seams, center back seams</li> </ul>
<b>-948/26</b> <b>Steel roller</b> <b>10 mm = standard</b>		<p>Electronical puller device with speed responsive control</p> <ul style="list-style-type: none"> <li>• Closing side seams, sewing of yokes</li> </ul>

	Parts kit (complete)	Feed dog	Needle plate	Hinged presser foot
	91-202 832-93/001 	91-159 081-05 	91-151 011-25 	91-154 834-23/001 * 
	91-202 831-93/001 	91-159 062-05 	91-150 999-25 	91-154 834-23/002 * 

\* alternative: sloted foot no. 91-154 788-23/001 or .../002

# Technical data + Specifications 580

Types		 <sup>*1</sup>	 <sup>*1</sup> V/R <sup>*1</sup>	 Hand/Knee		 - System	 - Nm	 Nm
<b>581 PLUS</b> 581 - 510/001	●	5,000	4.5 / 4.5	7 / 9	≤ 14	134	80 - 120	160 - 30
<b>581 CLASSIC</b> 581 - 310/001	●	5,000	4.5 / 4.5	7 / 9	≤ 14	134	80 - 120	160 - 30
<b>583 PLUS</b> 583 - 510/001	●	5,500	4.5 / 4.5	7 / 9	≤ 14	134	80 - 120	160 - 30
<b>583 CLASSIC</b> 583 - 310/001	●	5,500	4.5 / 4.5	7 / 9	≤ 14	134	80 - 120	160 - 30
<b>583 PLUS</b> 583 - 510/401	●	4,500	4.5 / 4.5	7 / 9	≤ 14	134	80 - 120	80 - 30
<b>583 PREMIUM</b> 583 - 810/301	●	5,000	4.5 / 4.5	7 / 9 <sup>*2</sup>	≤ 14	134	80 - 120	160 - 30

\*1 Max. speed and stitch length depend on parts kit and application of the machine Maschine.

\*2 Depends on the adjusted height of the puller roller



Number of needles



Remaining thread length after cutting in mm



Max. sewing speed



Needle system



Max. stitch length in mm



Recommended needle size in Nm



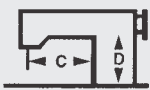









Hand lever / Knee lever in mm



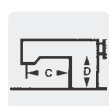
Thread size (metrical number in Nm)

PFAFF 580



									
C:265 x D:125	●		●		●	●	●	●	
C:265 x D:125	●		●		●			●	
C:265 x D:125	●	●			●	●	●	●	
C:265 x D:125	●	●			●			●	
C:265 x D:125	●			●	●	●	●	●	
C:265 x D:125	●	●			●	●	●	●	●

● standard  
○ option



Arm clearance in mm



Horizontal hook, small



Drop feed



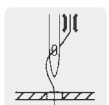
Compound feed



Roller presser (not driven)  
and drop feed



Thread trimmer



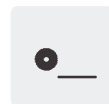
Thread nipper



Automatic presser foot lift



Backtacking system



Puller feed  
(intermittent)

# Configuration

**5**

**8**

**X**

**-**

**X**

1 = PFAFF 581  
with compound feed

3 = PFAFF 583  
with drop feed

3 = Classic version

5 = Plus version

8 = Premium version  
-948/26

small  
(22 mm)

\* defined by parts set

PFAFF 580

1



Hook (mm)

X



0 = Version A-C\*

/

X



0 = without  
an additional  
function

3 = with puller feed  
-948/26

4 = with roller presser  
-8/44

0



0 = Release  
stand

1



Thread trimmer  
for threads  
up to 30/3 syn.





## PFAFF Industriesysteme und Maschinen AG

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