

PFAFF

PFAFF[®] Industrial

Excellence in seaming



2081/2083
Powerful high-speed seamer

2081/2083

An intelligent machine concept and the use of extremely wear-resistant components guarantee the quality, flexibility and sewing speed of this high-speed seamer. 50 years of experience with the production of "dry machines" and more than 15 years of experience with motors integrated in the sewing head are reflected in these high-speed seamers. Complex assembly work is not required. The machine is supplied ready for use.

The quiet running of the low-vibration machines is one of the outstanding features. The built-in drive unit, transmits the power directly (direct drive) to the machine and guarantees a 50% reduction of the power consumption compared to conventional drive units.

The machine works with very low thread tension settings. The needle bar stroke can be changed from 30 to 36 mm, which is an absolute requirement for sewing an extremely wide range of materials. The 300 mm arm clearance of the 2081/2083 series is unique for a high-speed seamer.



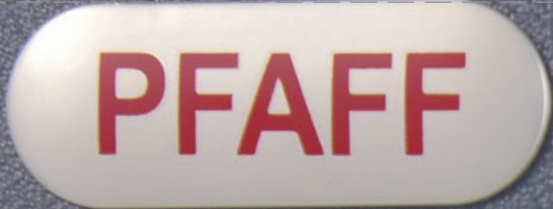
PFAFF 2083: version with bottom feed



PFAFF 2081: version with compound feed



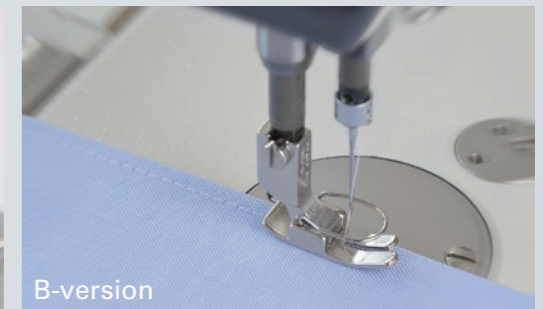
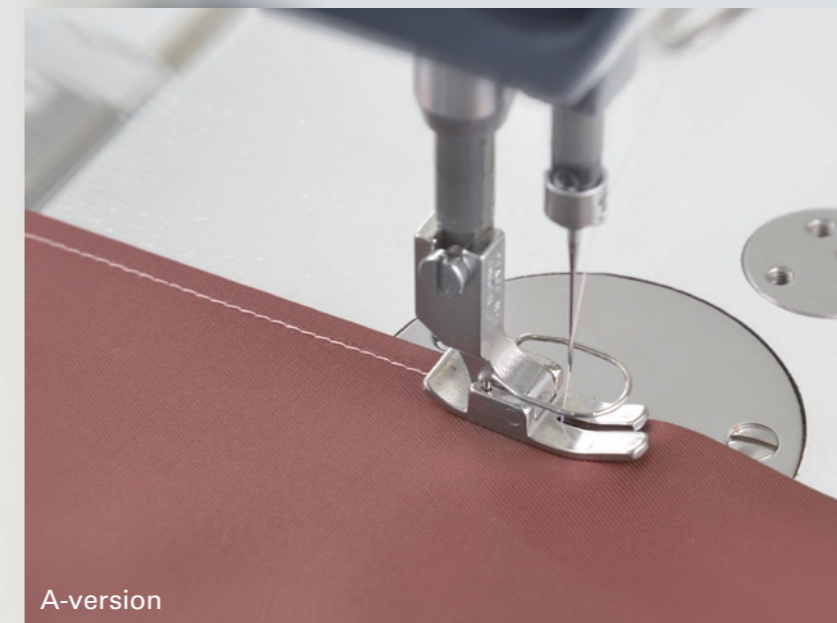
2081/2083



Versions:

Type	Parts set	Version									
			max. mm			-731/01 *	-900/24	-909/14	-910/06	-911/37	-926/06
2081	8/11	B	4.5	•		•	•	•	•	•	
	8/11	B	4.5	•			•	•	•	•	•
	8/13	C	6.0	•			•	•	•	•	
	8/13	C	6.0		•		•	•	•	•	
	34/11	A	3.0	•			•	•	•	•	
2083	8/31	B	4.5	•		•	•	•	•	•	
	8/31	B	4.5	•			•	•	•	•	•
	8/33	C	6.0	•			•	•	•	•	
	8/33	C	6.0		•		•	•	•	•	
	34/31	A	3.0	•			•	•	•	•	•
	8/44	B	4.5	•			•	•	•	•	

* Trimming margin: 5 mm (further on request)



2081/2083

Features:

- Good stitch length continuity and seam quality
- Even feed without off-setting of the material layers
- Integrated solutions for presser foot lift, backtacking mechanism without compressed air
- Automatic hook lubrication
- Robust and durable machine concept
- Easy to maintain
- Simple placement and removal due to 13 mm clearance, even for high-volume material
- 50 years of „dry machines“ (no oil-sump)
- High flexibility due to the adjustable needle bar stroke (30 to 36 mm).
One machine for all material thicknesses
- Integrated bobbin thread winder
- Knife/catcher change for the thread trimming device without readjustment
- Up to 6 mm stitch length – forward and reverse (on the C-model of the PFAFF 2081/83)
- Oil free sewing (if desired) – by simply changing the hook (4,000 s.p.m.)
- The thread nipper -909/14 (option) is controlled electronically, the presser foot is raised momentarily and the needle thread is pulled through to the underside of the workpiece
- Mechanically driven puller -748/02 to sew long webs (option)



The new controlled thread nipper -909/14 always ensures a neat seam start



More than 15 years experience with direct drive technology



Triple switch within reach of the operator:
- forward/reverse
- multi-function buttons



300 mm clearance under the machine arm



PFAFF 2083-8/44:
Special version with roller foot for basic shoe applications



Presser foot and needle bar height can be adjusted from the outside



Specifications:

Stitch type:

301 (lockstitch)

Max. stitch length:

4.5 mm (option: 6 mm)

Max. sewing speed:

5,500 s.p.m., depending on version
(with puller: max. 5,000 s.p.m.)

Max. fabric clearance:

13 mm

Needle bar stroke:

adjustable to 30 or 36 mm

Needle system:

134 (DBx1)

Connection voltage:

single-phase a.c.,
230 V, 50/60 Hz

Power input:

0.4 KW

Weight: gross/net

approx. 57 kg / approx. 49 kg

**PFAFF Industriesysteme und Maschinen AG**

Hans-Geiger-Str. 12 – IG Nord
D-67661 Kaiserslautern

Telefon: +49-6301/3205-0

Telefax: +49-6301/3205-3171

E-mail: info@pfaff-industrial.com