
**AN INTRODUCTION TO
THE PFAFF NUMBERING SYSTEM**

The PFAFF Numbering System

Design-dependent subclasses -700 to -799

High-speed and special sewing machines (also automatic sewing machines) can be equipped with so-called design-dependent subclasses. Owing to their design, however, these subclass mechanisms require a special sewing head and, for this reason, cannot subsequently be fitted to existing machines. The following mechanisms and devices are included in our range at present:

SUBCLASS (Number Designation)	DESCRIPTION
-703/..	Attachment drive
-704/..	Large needle plate cutout
-705/..	Wheel feed
-706/..	Lifting mechanism for top feed
-712/..	Basting or darning mechanism
-716/..	Zigzag control with one cam for making special zigzag stitches
-713/..	Automatic fancy-stitch mechanism
-720/..	Two-needle corner sewing unit (disengageable right or left needle)
-725/..	Horizontal edge trimmer (driven from below)
-726/..	Horizontal edge trimmer (driven from above)
-731/..	Vertical edge trimmer (cutting to the right of the needle)
-732/..	Vertical cutting mechanism (cutting between needles)
-733/..	Vertical edge trimmer (cutting in front and to the right of the needle)
-734/..	Gathering mechanism (driven from above)
-737/..	Crosswise cutting mechanism
-739/..	Parallel differential bottom feed
-748/..	Puller feed
-750/..	Driven roller presser
-755/..	Wheel feed and driven roller presser
-759/..	Control for two- and four- hole buttons without cross-over stitch
-771/..	Under-edge trimmer
-780/..	Feed interrupting mechanism (for Sensewmat)
-798/..	Long-arm sewing head for extra-large clear work space

The PFAFF Numbering System

Mechanical subclasses -900 to -999

Mechanical subclasses are mostly mechanisms and devices designed to facilitate operation of the sewing machine and speed up work. Mechanical subclasses can in most cases be fitted to the assembled sewing head at any time with little additional work. The following devices are included in our range at present:

SUBCLASS (Number Designation)	DESCRIPTION
-900/..	Thread trimmer
-904/..	Elastic tape tensioner
-905/..	Separate puller feed
-906/..	Thread tension control
-908/..	Thread pulling mechanism
-909/..	Thread wiper (for seams where it is essential that the thread end is pulled to the reverse side)
-910/..	Automatic presser foot lifter
-911/..	Backtacking mechanism (sewing backwards)
-913/..	Automatic needle positioner
-914/..	Shirring and pleating attachment
-915/..	Part sets for cording and twin seams
-917/..	Stitch condensation mechanism
-918/..	Control mechanism
-920/..	Pneumatic work aids (blower units)
-921/.	Optical top feed variation indicator
-925/..	Air filter/lubricator for pneumatic devices
-926/..	Thread monitor
-940/..	Special needle plates for sewing concave parts
-944/..	Roller presser
-952/..	V-arrangement of two automatic sewing machines
-957/..	Twin V-belt drive
-958/01	V-belt drive (with -966/..; -967/..)
-958/04	Driven by electronic stop motor and speed regulator

**The PFAFF Numbering System
Mechanical subclasses -900 to -999 (continued)**

SUBCLASS (Number Designation)	DESCRIPTION
-960	Automatic label feeder, cutter and folder
-960/..	Pneumatic tape and thread chain cutter
-963/..	Cutting mechanism
-964/..	Tack size quick adjustment
-966/..	Pneumatic control
-967/..	Electro-magnetic control
-970/..	Corner programming device
-971/..	Photocell control for backtacking and stitch condensation (thread-chain cutting)
-980/..	Edge sensing by sensor (by Sensewmat control)

The PFAFF Numbering System Letter Coding

The meaning of the code letters used in conjunction with machine class numbers is as follows:

MODEL	DESCRIPTION
A	For light materials
B	For medium materials
C	For medium-heavy materials
D	For heavy materials
B/C	For medium materials and thicker (fancy) thread
C/D	For medium-heavy materials and thicker thread
MATERIAL TYPE	
L	Leather
S	Fabric
ADDITIONAL LETTER CODES	
G	Sewing hook for large bobbin
M	Safety (overload) clutch
N	See "stitch length"
P	Four-motion drop feed on top-feed machines
R	Rapid (high-speed version)
X	Electrical device used on PFAFF 3135 and 3335 cam-controlled sewing machines
LIFT SPECIFICATIONS	
H	Lift indication for vibrating presser, sewing foot and needle bar
On lockstitch top-feed machines	
H3	Top feed lift 5.5 mm/Fabric clearance 11.0 mm

**The PFAFF Numbering System
Letter Coding (continued)**

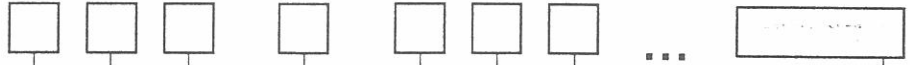
Stitch length - The maximum stitch length normally is 4.5 mm and is not specially indicated together with the machine class number. Letter N stands for a maximum stitch length of 6.0 mm. All other versions are marked with letter N and a number indicating the maximum stitch length in millimeters. Here are a few examples:

On machines without differential or variable feed	Maximum Stitch Length
N	6.0 mm
N2,5	2.5 mm
N8	8.0 mm
N10	10.0 mm
On machines with differential or variable feed, such as the 437 or 439:	
N24	2.5 mm stroke of stitch-length-determining feed / 4.5 mm stroke of auxiliary or top feed
On machines with differential bottom and variable top feed, such as the 487/489:	
N244	2.5 mm stroke of stitch-length-determining feed / 4.5 mm stroke of auxiliary feed / 4.5 mm stroke of top feed

Ordering table

High-speed single needle lockstitch zigzag seamer

PFAFF 938



Design-dependent subclasses:

	Zigzag cam control:
-716/04	zigzag stitch with one intermediate stitch between bights (four-stitch)
-716/06	zigzag stitch with two intermediate stitches between bights (six-stitch)
-716/08	4 straight and 1 zigzag stitch on left bight
-716/18	Two zigzag stitches with a half right-hand bight
	Undertrimmer:
-771/01	Knife engaged and disengaged by hand
-771/04	separate knife drive, especially for corners and tight curves

Part sets (selection):

-6/01	standard shape of part set for plain sewing operations
R-34/01	for sewing very light fabrics
-6/21	special part set
-17/31	binding with tape
-19/54	rolled hem
-45/02-915/05	filled cording
-49/01	butt-joining edges
-358/01-918/01	blind face-stitching
-716/06-82/12	edge folding and cover-taping
-716/06-83/03	edge folding and under-taping with elastic tape
-716/08-17/82 (-39/82)	shell-edge like binding
-771/01(04)-6/27	under-cutting

Mechanical subclasses:

-900/51	Thread trimmer: solenoid controlled
-908/02	Thread puller electro-pneumatically controlled
-909/03	Thread wiper: solenoid controlled, only on -358/01-900/51
-909/04	solenoid controlled, other machines
-910/04	Automatic foot lift: electro-pneumatically controlled including puller lift
-910/24	
-911/..	Backtack: electro-pneumatically controlled (mechanical or automatic)
-913/..	Needle positioning: for machines without -900/51
-915/..	Cording and double seams:
-917/06	Stitch condensation: with simultaneous switching from straight- to zigzag stitch
-918/01	Control system: for switching from zigzag to straight stitch on reverse sewing (mechanically operated) only available on 938-358/01
-918/18	Control system: for automatic switching from zigzag to straight stitch on reverse sewing (electro-pneumatically operated) only available on -358/01-900/51-910/04-911/35
-925/02	Air filter/lubricator for pneumatically controlled mechanisms

Models:

A	for fine materials
B	for medium materials
S	fabrics
L	leathers
N 2,5	max. stitch length 2.5 mm

Position 29

PFAFF 938-771/04-6/27-900/51 AS x 3,0 x 1,5 N2,5