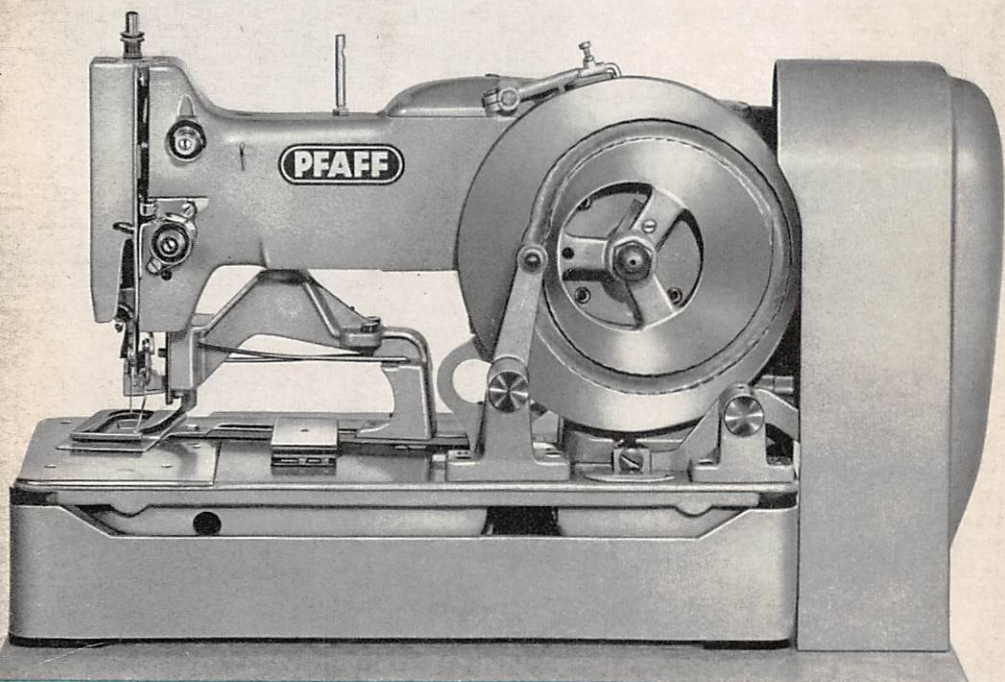


**PFAFF**®

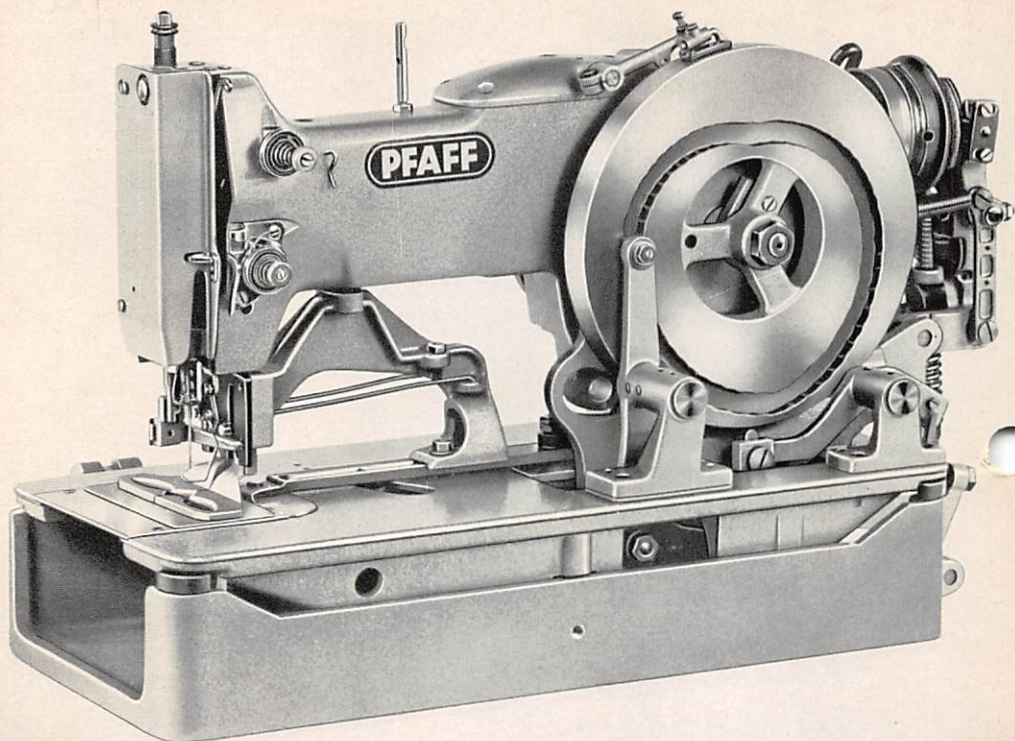
**3135**



R 9002

**Automatic Lockstitch Flatbed  
Bartacker with CB Shuttle**

from the library of: Superior Sewing Machine & Supply LLC



R 8795

## **Pfaff 3135 A (B)**

The Pfaff 3135 A (B) is a lockstitch flatbed sewing machine which is specially designed for stitching larger tacks on flat work automatically, the maximum tack size being  $1\frac{3}{16}$ " x 4", or 30 x 100 mm, lengthwise and across.

Fitted with central bobbin shuttle and link take-up, this automatic bartacker is intended for stitching light-weight materials, using needle sizes up to No. 120 and thread up to No. 30/3, and is normally supplied in Models A and B only.

### **Construction Features**

The Pfaff 3135 follows the same mechanical principle built into the new Pfaff 3335-0, except that it features a wide bedplate rather than a cylinder arm because its extra-large work clamp and feed plate call for a wider contact surface.

The basic version of this machine is the same for all subclasses and, hence, is assembled in bulk.



Machines having the same gear ratio differ only in the design of the feed cam slot, the feed plate and the clamp feet.

This far-reaching standardization was achieved by establishing accurately calculated fixed points on the machine so that only one feed cam and one set of control elements is needed for all Pfaff 3135 machines, regardless of their gear ratio, to produce the tack designs of all subclasses measuring up to  $1\frac{3}{16}'' \times 4''$ .

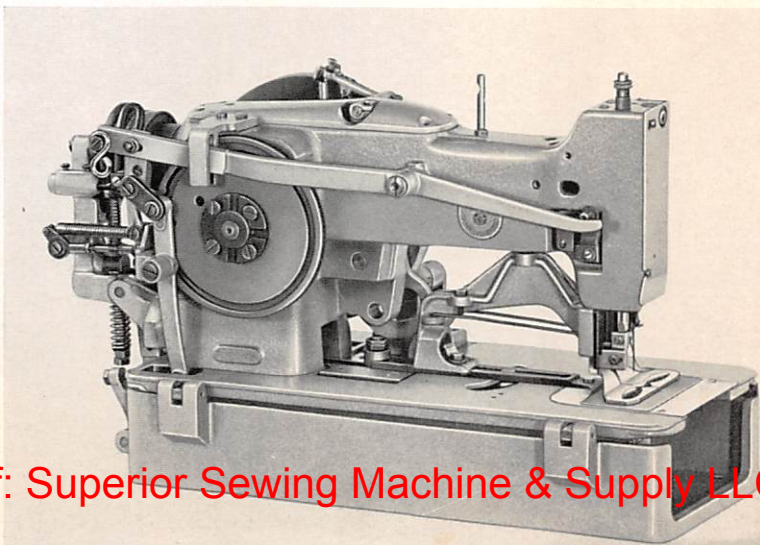
The fixed points used to control the feed motions are the same for all Cl. 3135 and 3125 bartackers.

Since all subclasses of the Pfaff 3135 can also be used in conjunction with the Pfaff 3125, both machines are designed so that not only their control elements, but also their organizational parts, such as feed cam, arch clamp with clamp feet and feed plate, fit both basic models, the only limitation being that the stitches in tacks made with up to No. 18/3 thread must not be spaced too closely.

This generous standardization and interchangeability greatly simplifies storekeeping and enables users to quickly convert the machine for the production of a new line.

When considering the employment of an automatic bartacker, the only question that must be decided beforehand is whether the material to be sewn can be handled more successfully on the Pfaff 3135 fitted with central bobbin shuttle or on the Pfaff 3125 which is equipped with beak shuttle and intended for stitching heavier materials.

R 8794 Knife driving mechanism on the back of the Pfaff 3135



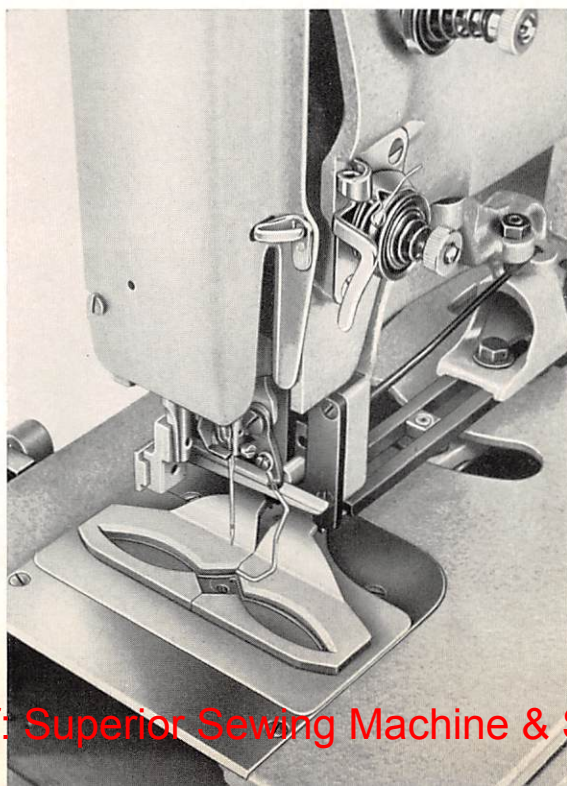
The machine can be easily converted from one subclass to another which produces the same number of stitches per tack. This job can even be done by the operator herself because all she has to do is exchange the feed cam, the clamp feet and the feed plate.

Another possibility is to convert the machine from one subclass into a similar subclass having the same gear ratio, but making only one half or one third the number of stitches. In this latter case, the knife cam must be exchanged, too.

All other conversion jobs involving subclass machines with different gear ratios, in addition, call for an exchange of the worm and worm gear.

Minor deviations which may occur in setting the feed elements to the needle and are caused by an unfavorable accumulation of inevitable tolerances can be remedied by adjusting two eccentric studs with the aid of a screwdriver. These studs are accessible through an aperture in the right-hand wall of the bedplate without tilting the machine back.

R 8793      Sewing organization of the Pfaff 3135-601





## Operation

The machine is mounted on a cast-iron base and set up crosswise of the table. It is started by depressing the right treadle. Since the needle bar is of the rigid type, it does not swing sideways. Hence, the material is moved under the needle in order to produce the different tack designs.

The work is held between, and guided by, the clamp feet and the feed plate.

The principal motions required for the automatic production of the seam and the trimming of the threads are derived from two cams which are carried on a joint transverse shaft on either side of the machine arm.

The right, or feed, cam has two pattern-forming grooves. While the groove on the outside controls the crosswise feed motion, the one on the inside produces the lengthwise feed motion.

Both motions are conveyed to the feeding mechanism underneath the bedplate by means of vertical two-armed levers.

The lengthwise feed motion is transmitted from the channel track on the back side of the feed cam to the driving block in the cylinder arm by means of a two-armed lever located at the back of the feed cam. The crosswise feed motion, on the other hand, emanates from the channel track on the front side of the feed cam and is conveyed to the feed driving mechanism in the cylinder arm by a two-armed lever and two ball-joint connections.

The feed cam, in addition, carries tripping points on its circumference which serve to stop the machine and to actuate the thread nipper when additional thread is pulled down through the material and both threads are trimmed at the completion of each sewing cycle.

The left, or knife, cam actuates the needle and bobbin thread knives and swings them forward to the operative position as the last stitch is being formed. This action causes a sufficient amount of thread to be pulled from the spool and the bobbin with which to start the next stitch, both threads being pulled taut over the backs of the knives, to obtain a clean cut.

At the completion of the sewing action, the machine stops automatically. Only after the machine has come to a stop can the operator depress the left treadle to raise the work clamp and trim both threads.

During the sewing action, the lifting lever is interlocked by the knife cam so that the work clamp cannot be raised inadvertently.

Double buffer springs absorb the momentum of the machine at sudden stops.

The Pfaff 3135 is driven by a  $\frac{1}{3}$ -HP squirrel-cage induction motor and, if desired, can be fitted with a belt take-up hanger which greatly simplifies the regulation of the belt tension.

Machines fitted with a belt take-up hanger may use an endless driving belt.

If desired, the Pfaff 3135 can be equipped with electromagnetic control. In this case, the operator has merely to operate a foot control switch with two switch positions. When the switch is pressed down to the first position, the two-part work clamp is lowered onto the goods. At this stage, the work can still be repositioned after releasing the foot control again. The machine is started by depressing the switch all the way down to the second position.

At the completion of the sewing cycle, both threads are trimmed and the work clamp is raised completely automatically.

The remarkable work simplification accomplished by this machine enables the operator to boost her output by 10 to 15 per cent without any difficulty.

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### **Pfaff 3135 A (B) Subclasses**

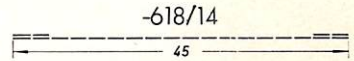
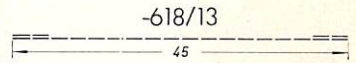
The following diagrams show the various tack designs in actual size, indicating their dimensions in millimeters.

Owing to the large variety of designs, their diagrams are grouped according to the number of stitches in each tack. Within each group, the diagrams are arranged by subclass numbers.

Since each tack can be used in many different ways, its application possibilities are not listed in this table.

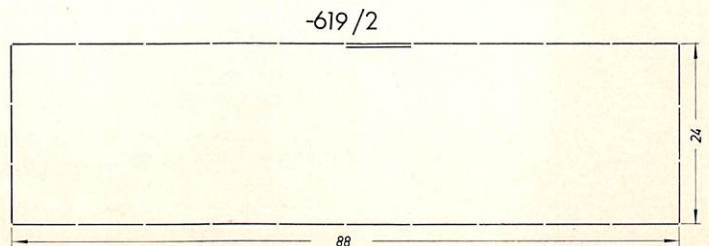
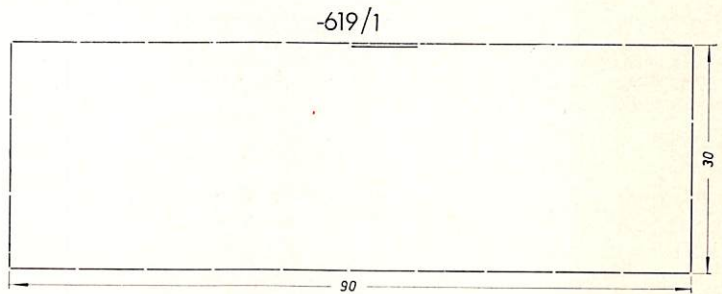
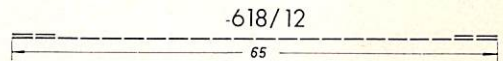
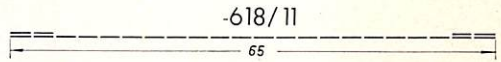
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## 24-Stitch Tack Designs



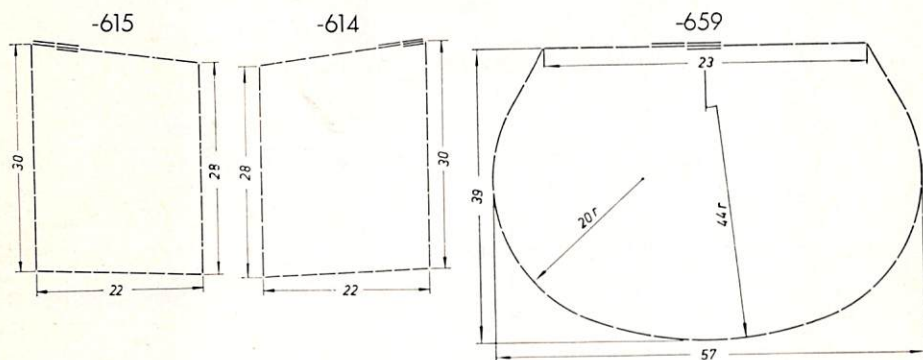
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## 28-Stitch Tack Designs

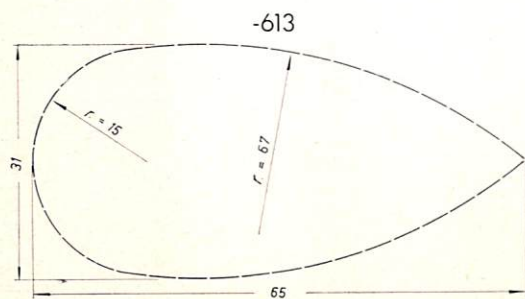
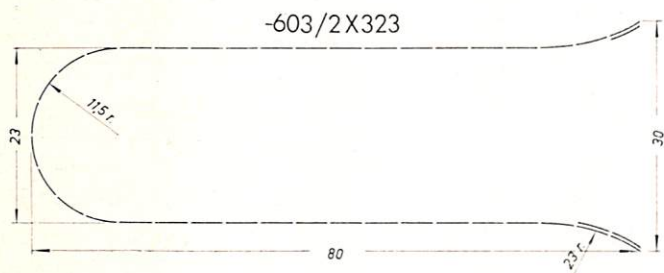




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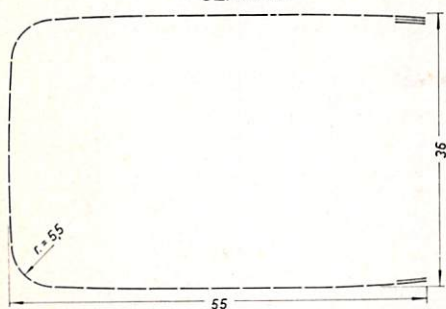
## 42-Stitch Tack Designs



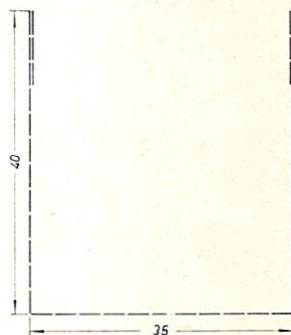


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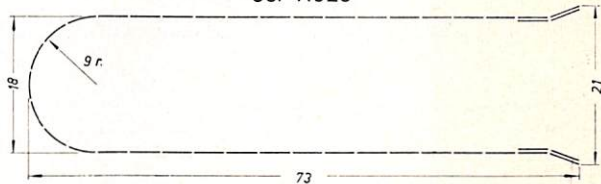
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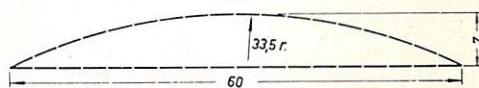
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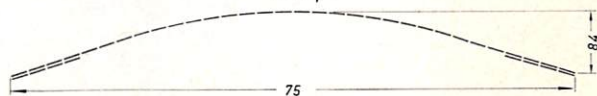
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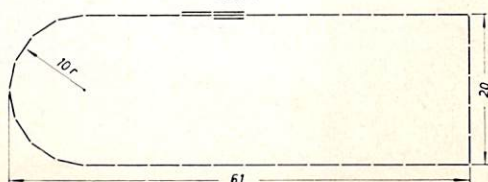
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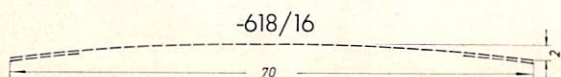
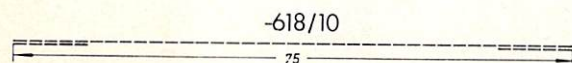
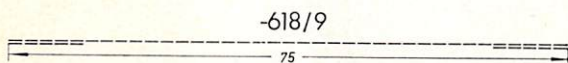
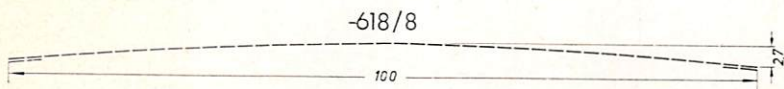
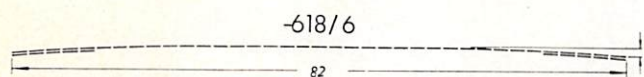
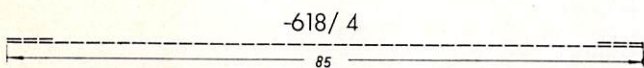
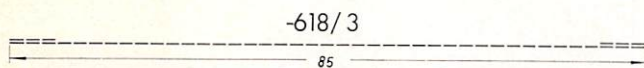
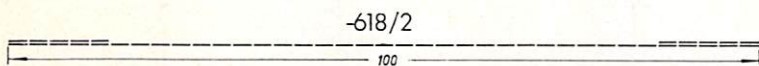
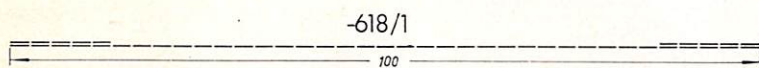
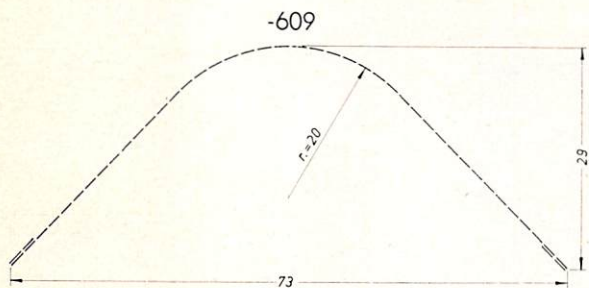
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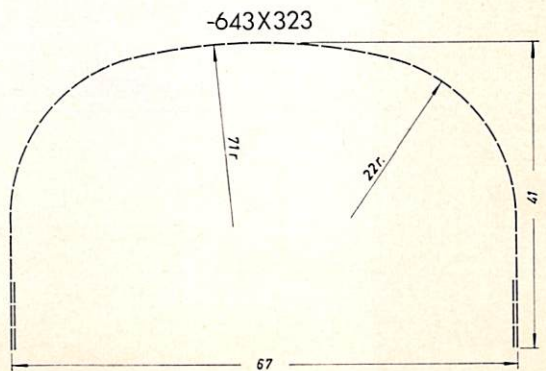
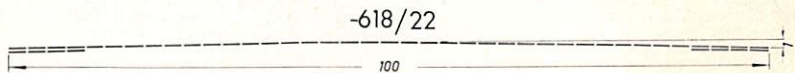
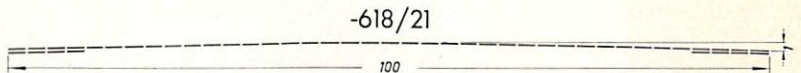
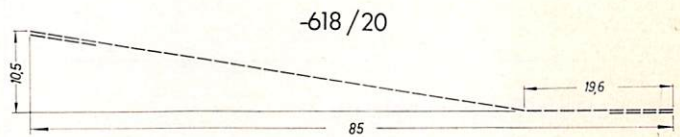
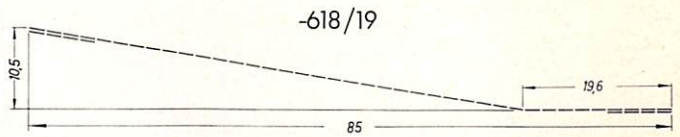
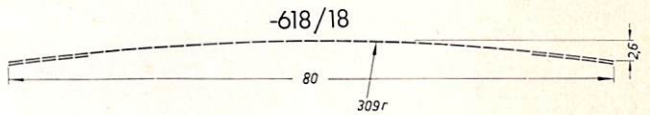
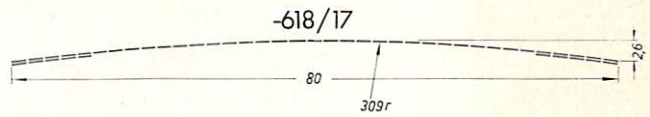
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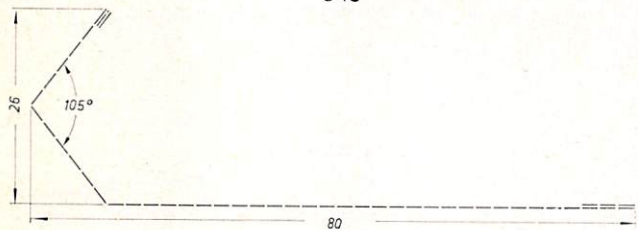
## 48-Stitch Tack Designs





48-Stitch Tack Designs

-646

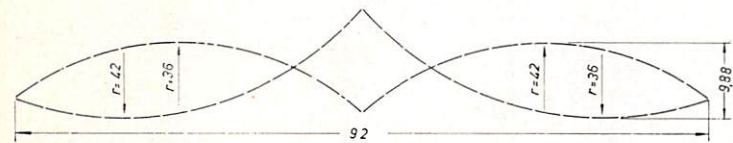


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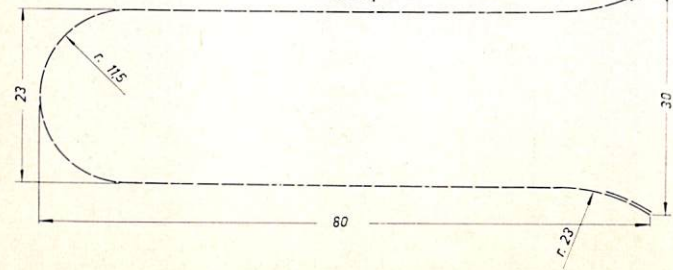


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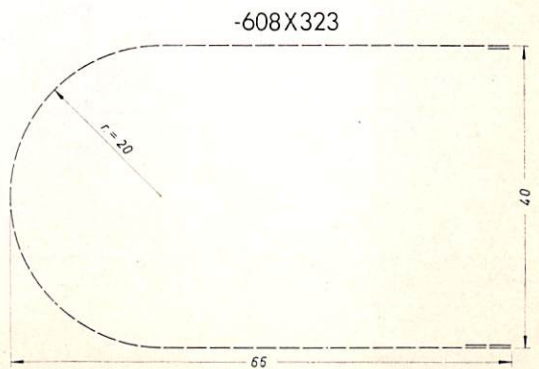
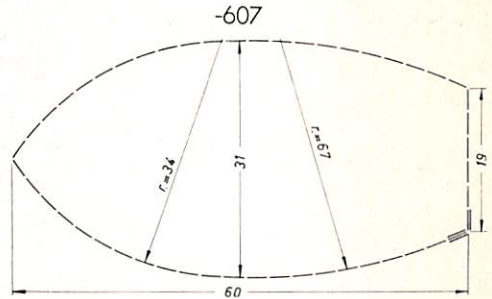
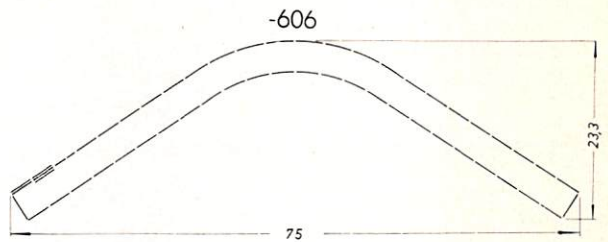
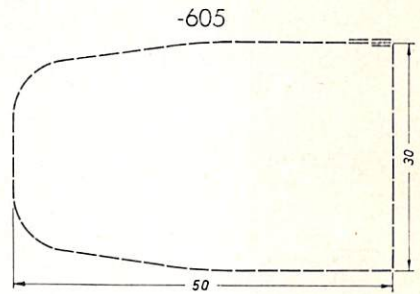
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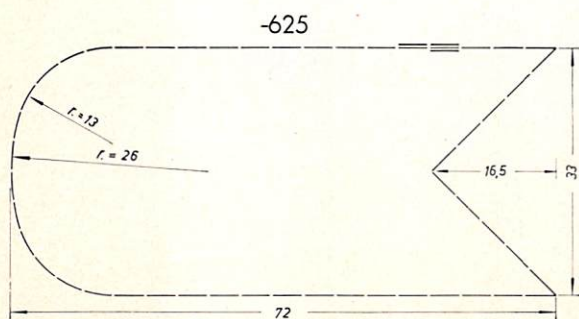
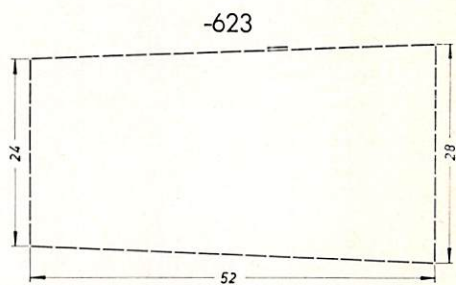
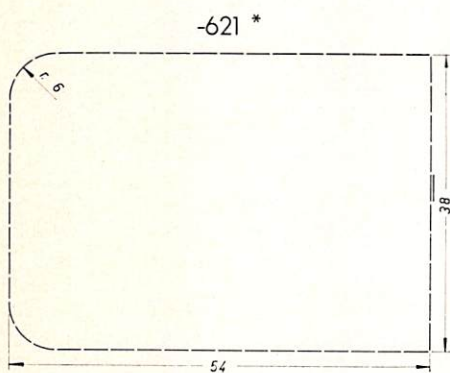
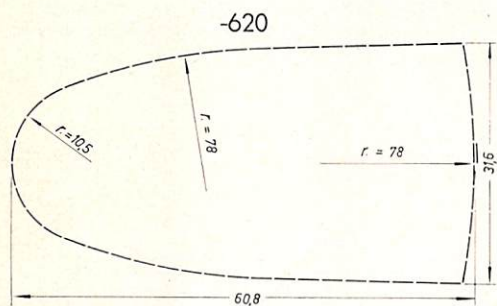
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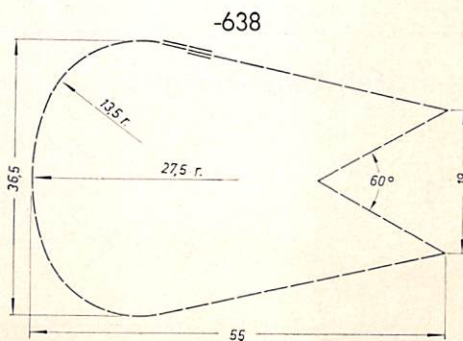
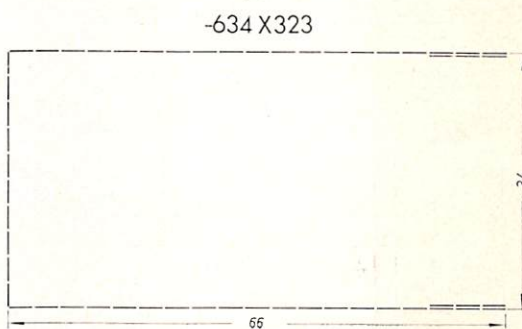
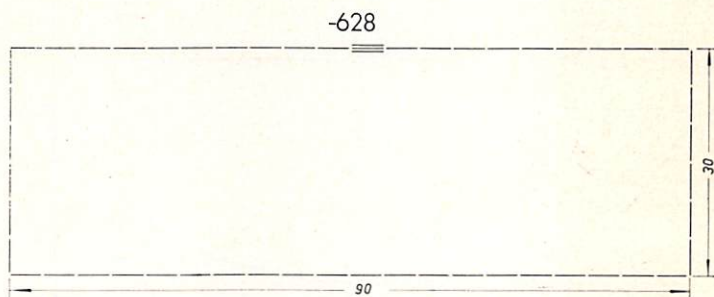
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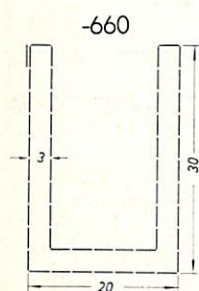
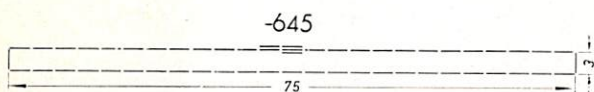
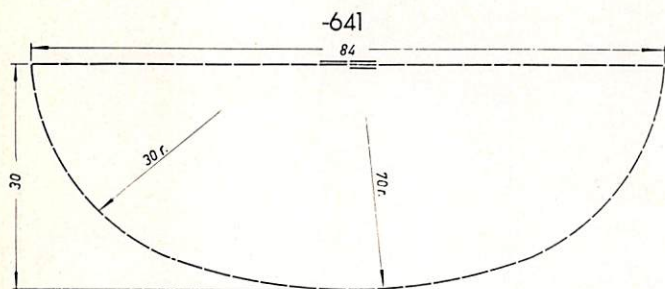
\* Special variety



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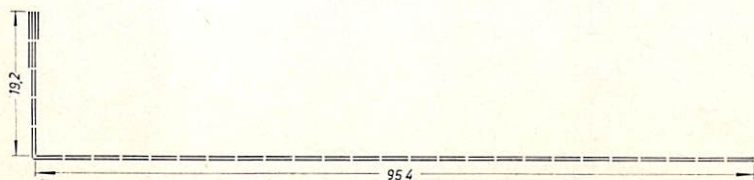


## 56-Stitch Tack Designs



## 64-Stitch Tack Designs

-642

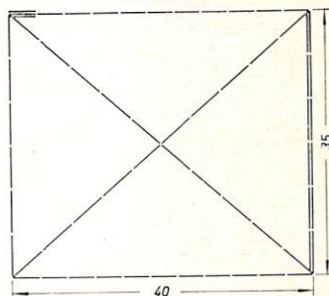


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-658X323

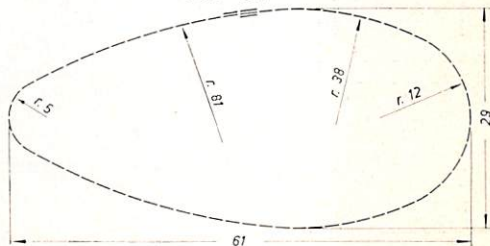


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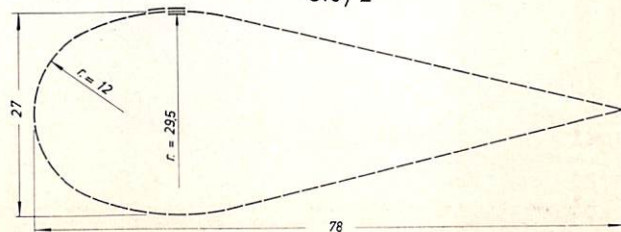


## 72-Stitch Tack Designs

-602 -317



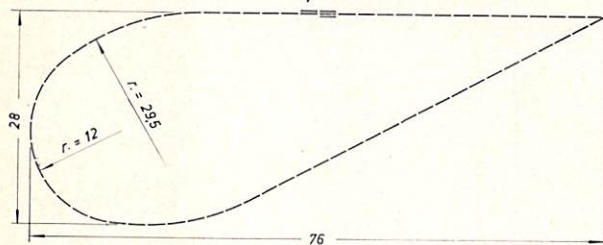
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## 72-Stitch Tack Designs

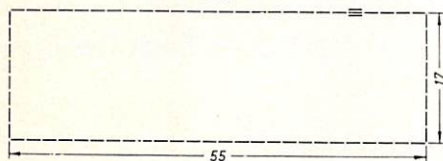
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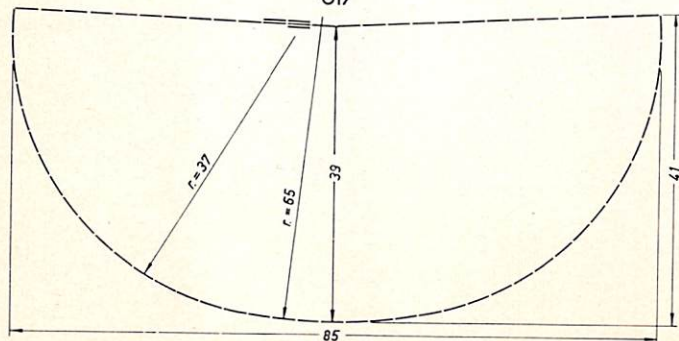
-612



-616

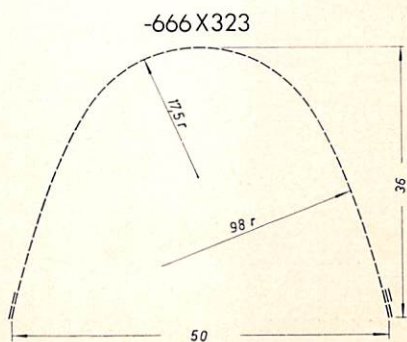
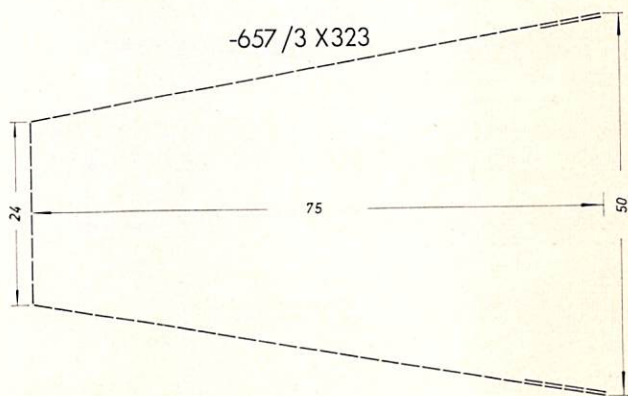
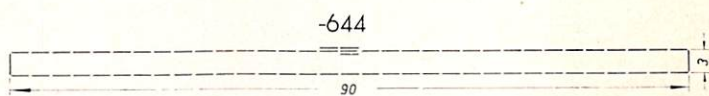
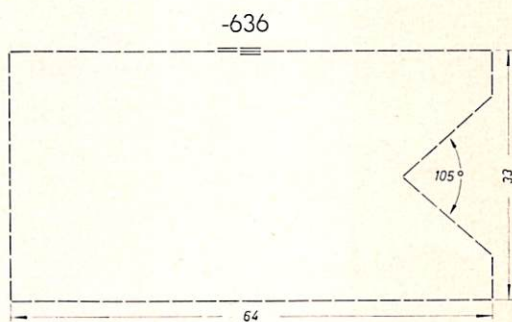


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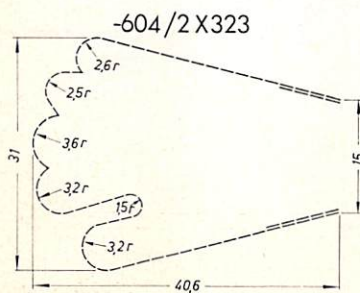
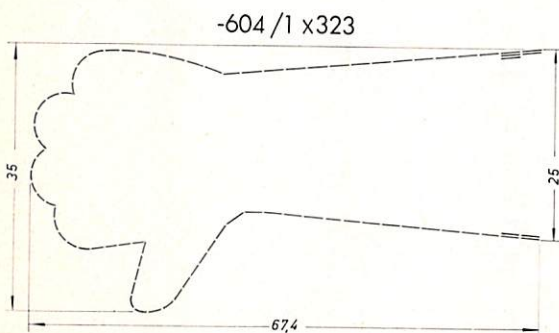
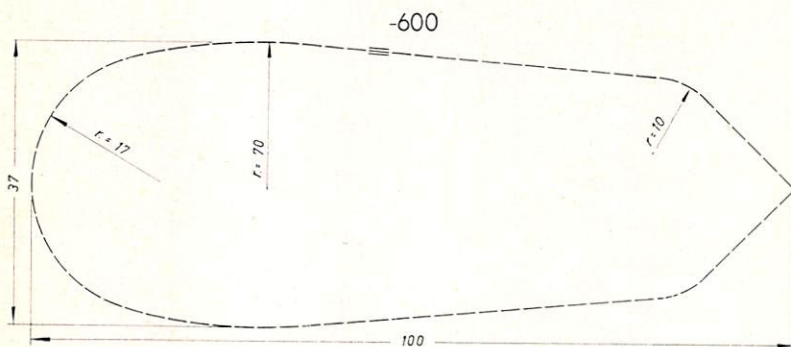


\* Special variety

## 72-Stitch Tack Designs



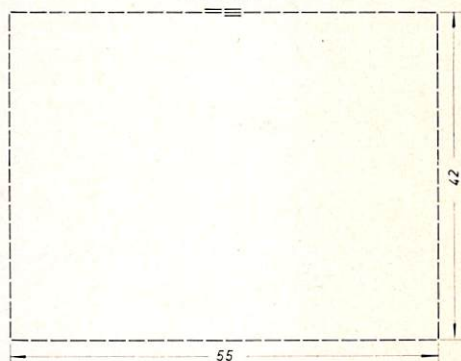
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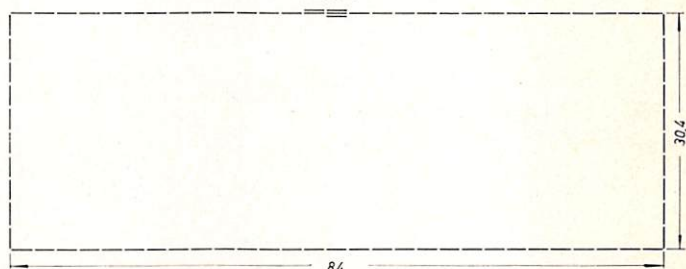


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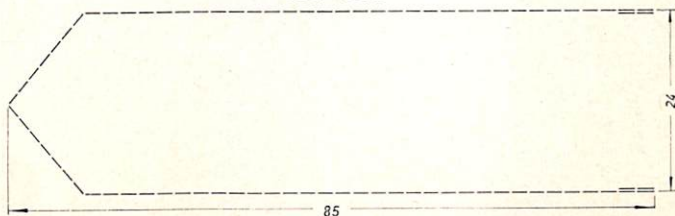
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-624

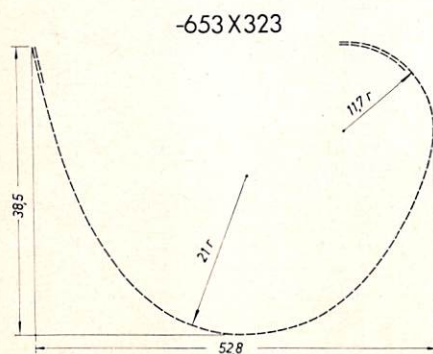
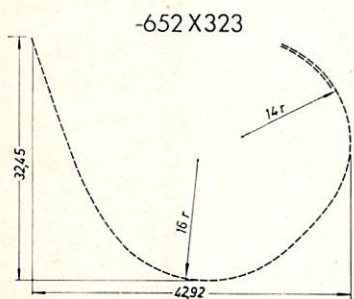
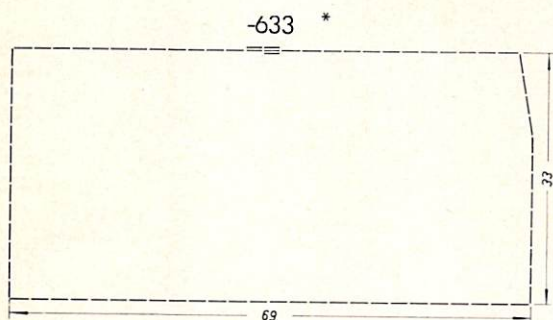


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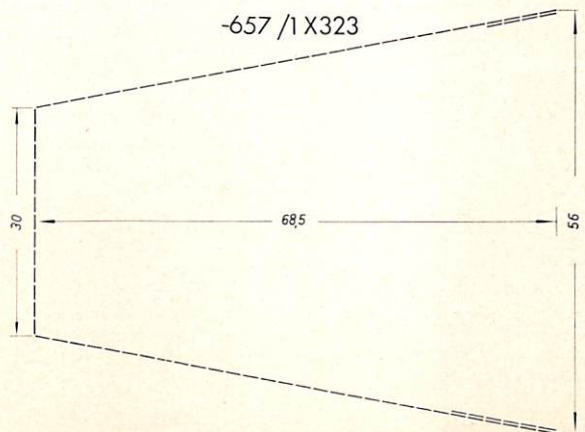
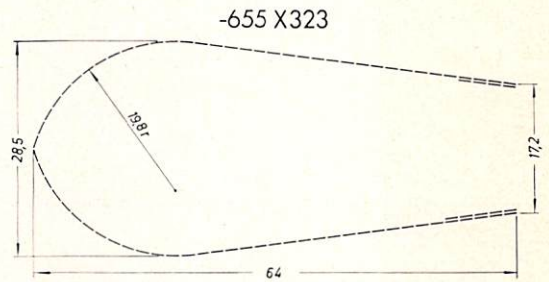
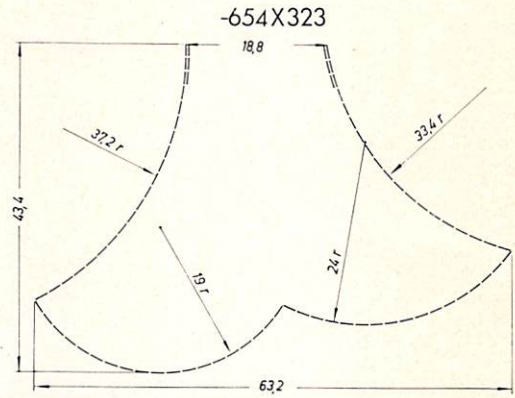
\* Special variety

## 84-Stitch Tack Designs



\* Special variety

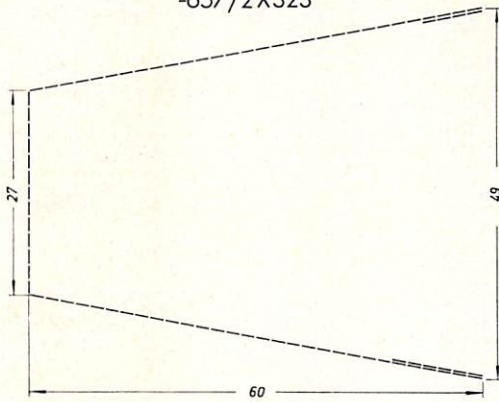
## 84-Stitch Tack Designs



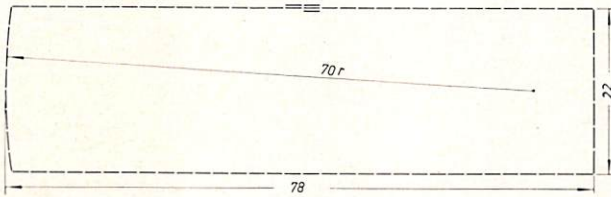


## 84-Stitch Tack Designs

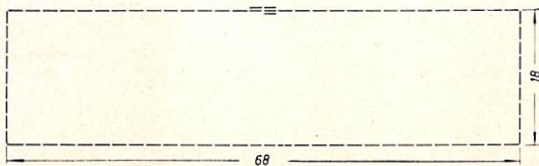
-657/2X323



-662

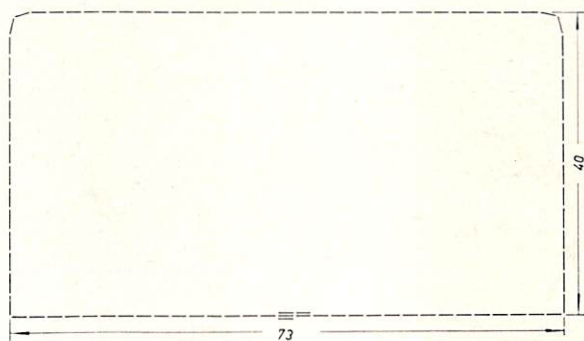


-665 -317

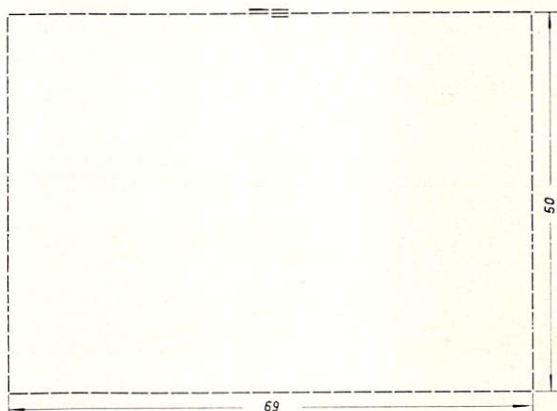


## 96-Stitch Tack Designs

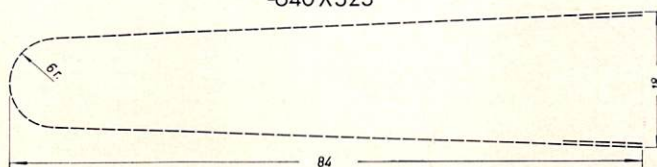
-626 \*



-629-317 \*

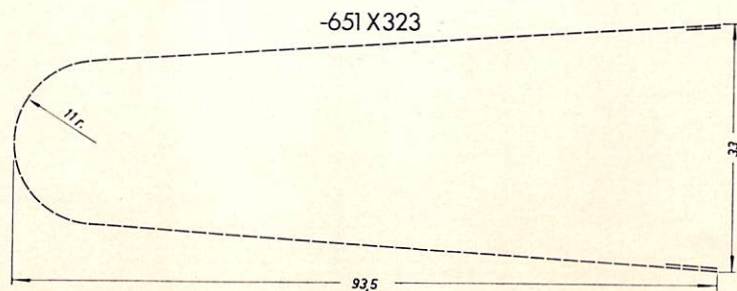
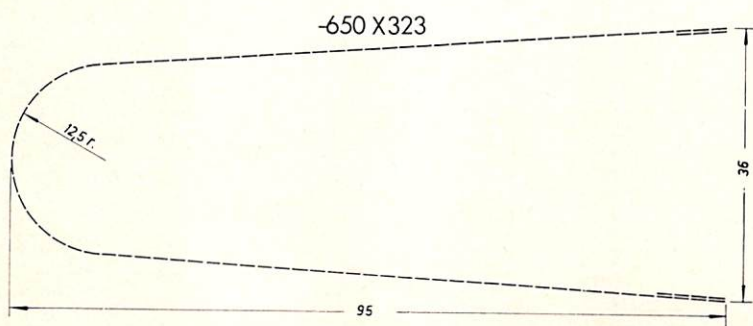
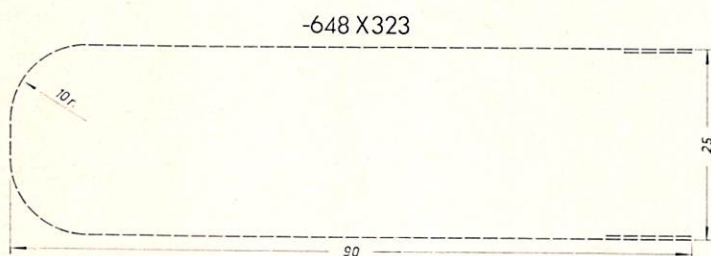
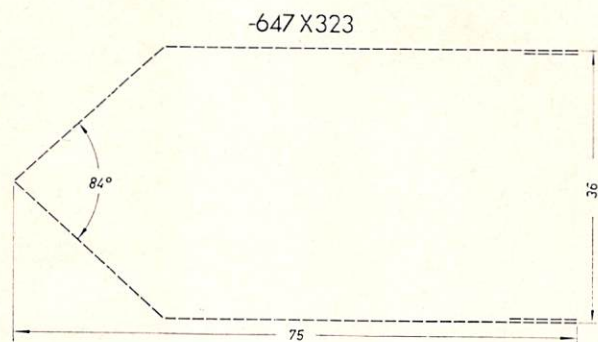


-640X323



\* Special variety

## 96-Stitch Tack Designs



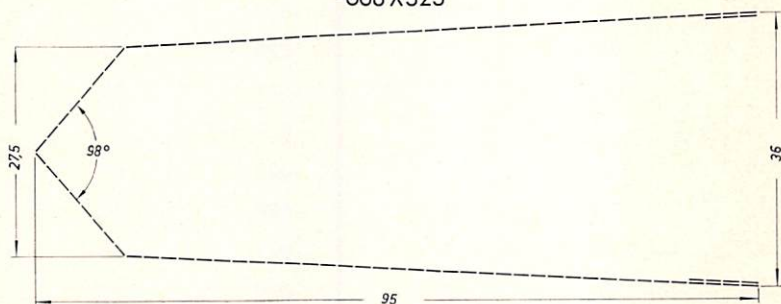


## 96-Stitch Tack Designs

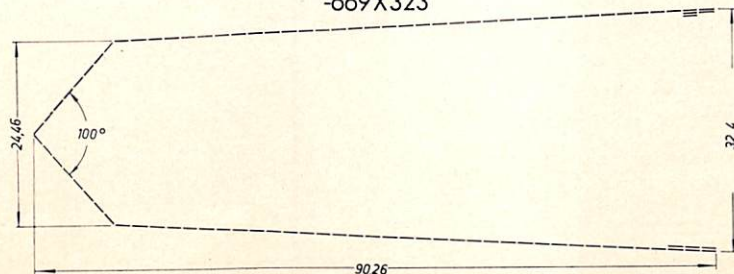
-656/1-317



-668X323



-669X323



# Pfaff 3135 Numerical List of Subclasses

Subclass	Number of Stitches per Tack	Tack Diagram on page	Subclass	Number of Stitches per Tack	Tack Diagram on page
-600	84	20	-618/14	24	7
-601	56	12	-618/16	48	10
-602-317	72	17	-618/17	48	11
-603/1 X 323	56	12	-618/18	48	11
-603/2 X 323	42	8	-618/19	48	11
-604/1 X 323	84	20	-618/20	48	11
-604/2 X 323	84	20	-618/21	48	11
-605	56	13	-618/22	48	11
-606	56	13	-619/1	28	7
-607	56	13	-619/2	28	7
-608 X 323	56	13	-620	56	14
-609	48	10	-621	56	14
-610/1-317	72	18	-622-317	84	21
-610/2	72	17	-623	56	14
-612	72	18	-624	84	21
-613	42	8	-625	56	14
-614	36	8	-626	96	25
-615	36	8	-627 X 323	42	9
-616	72	18	-628	56	15
-617	72	18	-629-317	96	25
-618/1	48	10	-630 X 323	84	21
-618/2	48	10	-633	84	22
-618/3	48	10	-634 X 323	56	15
-618/4	48	10	-635 X 323	42	9
-618/6	48	10	-636	72	19
-618/8	48	10	-637 X 323	42	9
-618/9	48	10	-638	56	15
-618/10	48	10	-639	42	9
-618/11	28	7	-640 X 323	96	25
-618/12	28	7	-641	56	16
-618/13	24	7	-642	64	16

# Pfaff 3135 Numerical List of Subclasses

Subclass	Number of Stitches per Tack	Tack Diagram on page	Subclass	Number of Stitches per Tack	Tack Diagram on page
-643 X 323	48	11	-657/1 X 323	84	23
-644	72	19	-657/2 X 323	84	24
-645	56	16	-657/3 X 323	72	19
-646	48	12	-658 X 323	64	17
-647 X 323	96	26	-659	36	8
-648 X 323	96	26	-660	56	16
-649/1	42	9	-662	84	24
-649/2	48	12	-663	56	16
-650 X 323	96	26	-664	42	9
-651 X 323	96	26	-665-317	84	24
-652 X 323	84	22	-666 X 323	72	19
-653 X 323	84	22	-667	64	17
-654 X 323	84	23	-668 X 323	96	27
-655 X 323	84	23	-669 X 323	96	27
-656/1-317	96	27	-670 X 323	64	17







## **Pfaff 3135 A (B)**

**Automatic Bartacker for producing tack designs up to  $1\frac{3}{16}'' \times 4''$  on flat work made of light and medium-weight materials**

### **Technical Data**

**Maximum Speed: 1,200 s.p.m.**

**Drive:  $\frac{1}{3}$ -HP squirrel-cage induction motor;  
fitted with belt take-up hanger, if desired**

**Motor Speed: 1,400 r.p.m.**

**Needles: System 34 R, 34 LR or 332**

**Net Weights:**

**Head only: 88 lbs**

**Base and Accessories: 44 lbs**

**Gross Weights:**

**Head Boxed: 115 lbs**

**Base and Accessories Boxed: 66 lbs**

**Box Dimensions:**

**For Sewing Head:  $27\frac{1}{2}'' \times 18\frac{3}{4}'' \times 12\frac{3}{4}''$**

**For Base:  $24\frac{1}{2}'' \times 15\frac{3}{4}'' \times 10\frac{3}{4}''$**

**Subject to alterations in design**

**G. M. PFAFF AG**  
**KAISERSLAUTERN BRANCH**

No. 12299 engl. Schn. 1064

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