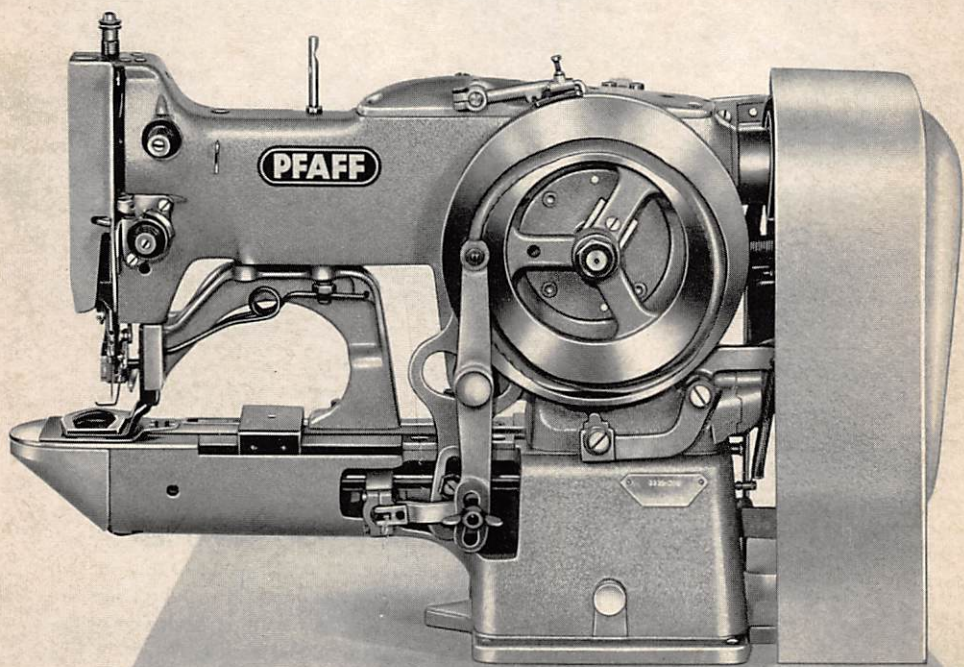


**PFAFF**®

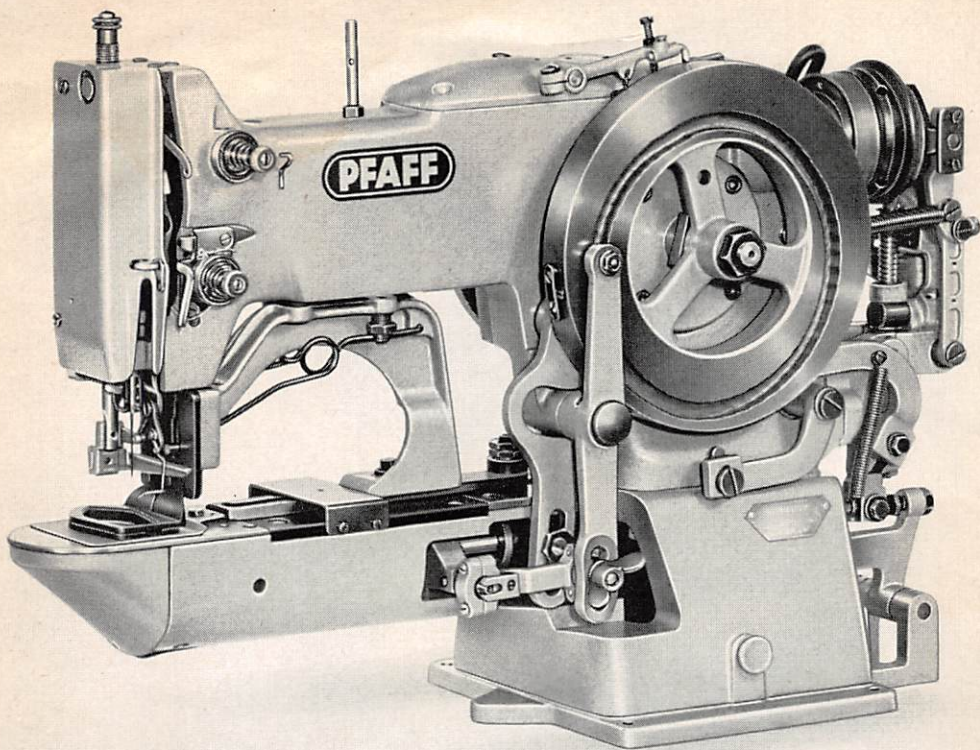
**3335-0**



R 8993

Automatic Lockstitch  
Cylinder-Bed Bartacker  
Organized with CB Shuttle

From the library of: Superior Sewing Machine & Supply LLC



R 8786

### **Pfaff 3335-0 A (B)**

This automatic cylinder-bed bartacker is organized with central bobbin shuttle, and uses needle sizes up to No. 120 and thread sizes up to No. 30/3. It is specially designed for making tacks on light and medium-weight materials, the maximum tack size being  $1\frac{3}{16}$ " x 2", or 30 x 50 mm, lengthwise and across.

Heavyweight materials are tacked on a variant of this machine, known as Pfaff 3325, which is available in Models C and D only and features an extra-large beak shuttle in lieu of the CB shuttle.

#### **Construction Features**

The Pfaff 3335-0 is a further development of the Pfaff 3334 and incorporates notable improvements.

By redesigning the elements controlling the feed lengthwise and feed across motions, Pfaff's designers succeeded in developing a basic version of this machine which can be used for all subclass varieties and, hence, can be assembled in bulk.



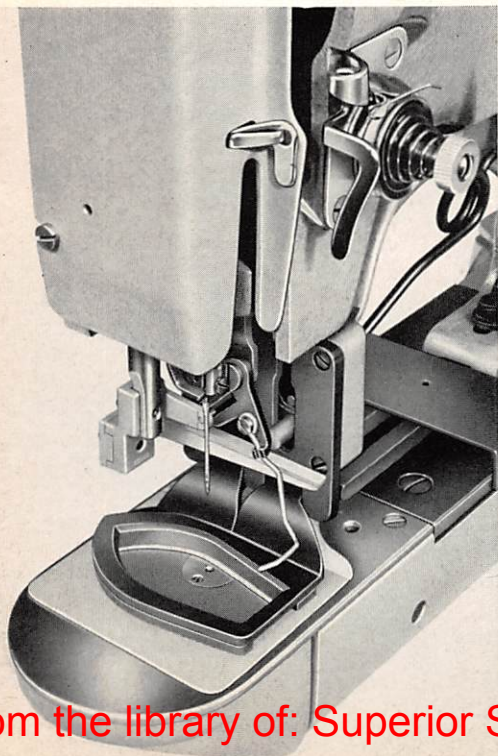
Machines having the same gear ratio differ only in the design of the feed cam slot, the feed plate and the clamp feet.

This was accomplished by establishing accurately calculated fixed points on the machine. As a result, one and the same feed cam and the same set of organizational parts can be used on Pfaff 3335-0 machines of any gear ratio to make tack designs of all subclasses up to a size of  $1\frac{3}{16}'' \times 2''$ . The fixed points used to control the feed motion are the same on all our new bartackers.

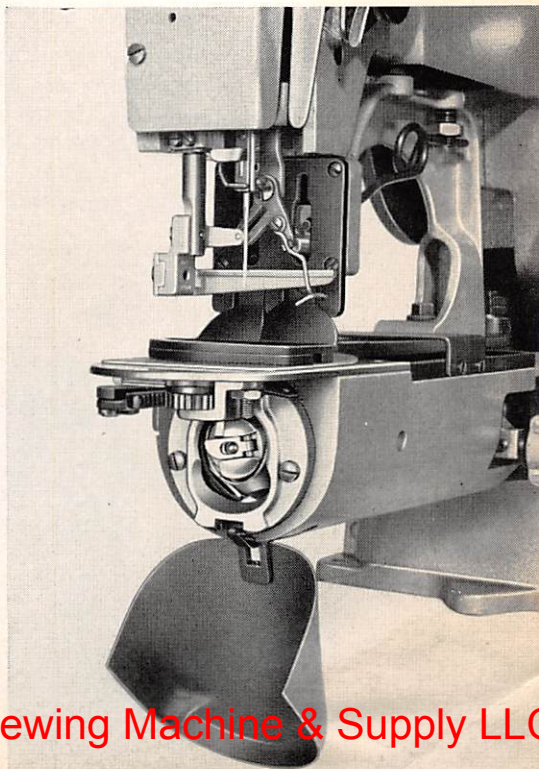
This generous standardization measure greatly simplifies store-keeping and enables users quickly to convert the machine when production shifts to a new line. Conversion of the machine from one subclass to another can be easily accomplished because all subclass conversion parts, i.e. the feed cam, the arch clamp with its clamp feet, and the feed plate, can be readily exchanged on machines having the same gear ratio. If no mechanic should be around, any operator can do this job herself.

Minor deviations which may occur in setting the feed parts 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.

R 8789 Sewing organization of the Pfaff 3335-0-341



R 8790 Pfaff 3335-0 with central bobbin shuttle





### Operation of the Machine

The machine is started by depressing the right treadle. Since the needle is of the rigid type, it does not swing sideways. To produce the different tack designs, therefore, the material is moved under the needle.

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.

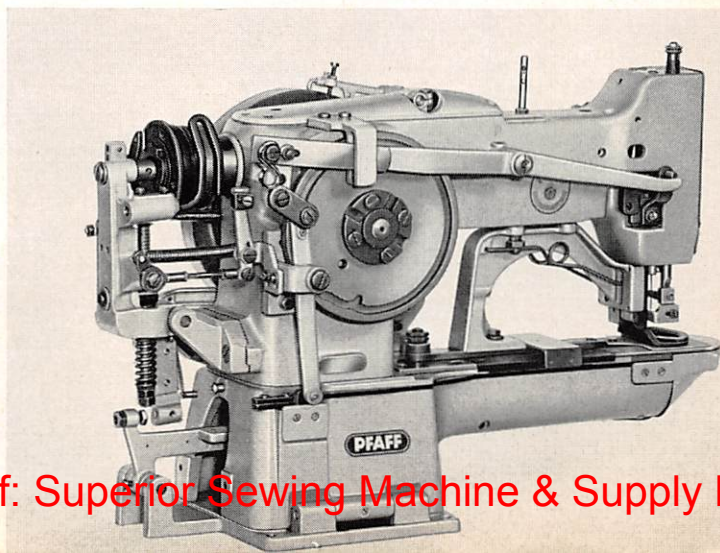
The right, or feed, cam has two pattern-forming grooves. While the groove on the outside controls the crosswise feed motion, the one on the inside produces the lengthwise feed motion.

Both motions are conveyed to the feeding mechanism in the cylinder bed 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 the 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 the two-armed lever and two ball-joint connections on the outside of the feed cam.

Except for a large hole on the right side through which the feed connections pass, the cylinder arm is completely enclosed on the underside. The top of the cylinder arm is covered by a plate which carries merely the feed bar fulcrum stud.

R 8787 Reverse side of the Pfaff 3335-0 showing the knife cam



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 through and both threads are trimmed at the completion of each sewing cycle.

The left, or knife, cam operates 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 off the spool and the bobbin with which to start the next stitch, both threads being pulled taut over the backs of the knives, ready for trimming.

At the completion of the sewing action, the machine stops automatically. Only after the machine has come to a stop can the operator press down 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.

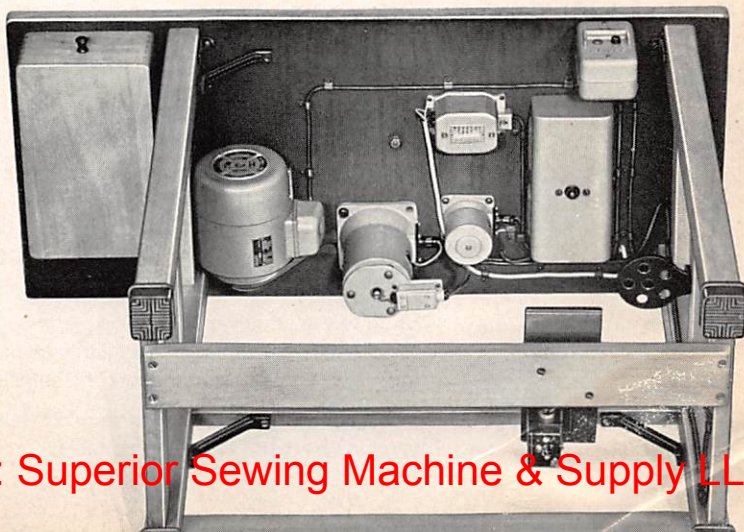
Double buffer springs absorb the momentum of the machine at sudden stops.

The Pfaff 3335-0 is driven by a constant-speed,  $\frac{1}{4}$ -HP electric motor and, if desired, can be fitted with a belt take-up hanger which greatly simplifies the regulation of belt tensions.

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

Best results are obtained with the Pfaff 3335-0, if equipped with electromagnetic control. On this machine the operator has merely to operate a foot control switch which has two switch positions. When the switch is pressed down to the first position, the two-

R 9000 Electromagnetic control of the Pfaff 3335-0





part work clamp is lowered onto the goods. At this stage, the work can still be repositioned after releasing the foot control again. When the switch is pressed all the way down to the second position, the machine is started.

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 easily by 10 to 15 per cent.

All Pfaff bartackers normally operate at a speed of 1,200 s.p.m. To enable the Pfaff 3335-0 to obtain a higher output, however, it has been redesigned so as to permit the use of a two-speed motor. This motor starts to drive the machine at a speed of 900 s.p.m. and, after the first stitches have been made, immediately switches to 1,800 s.p.m. Before the machine stops, it slows down again to the starting speed.

When the motor idles, it is four-pole-connected and runs at 1,400 r.p.m. When the machine is started, a contactor is actuated mechanically which then switches the motor to two-pole connection and, thus, instantly accelerates the machine to 2,800 r.p.m.

This procedure is reversed when the machine stops. Since the machine runs at half the top speed at the beginning and the end of the sewing cycle, the starting stitches will be formed reliably and the seam tied off properly. In addition, wear and tear of the stop motion mechanism will be reduced considerably. If driven by a standard motor, the Pfaff 3335-0 should not be run faster than 1,200 s.p.m. in order to avoid skipped stitches, thread breaking, needle breakage and excessive wear of the machine.

### **Pfaff 3335-0 Subclasses**

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

The dimensions given represent the maximum size of the respective tack. This means that the tacks can only be made smaller, not larger. With the aid of adjustment possibilities inherent in the machine, they can be reduced by up to 30% crosswise, and 20% lengthwise of the cylinder arm.

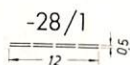
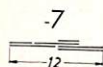
Owing to the large variety of designs, their diagrams are grouped according to the number of stitches in each tack. Within each group, the diagrams are arranged by subclass numbers.

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

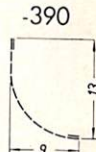
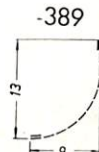
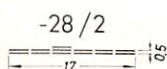
## 7 Stitch Tack Design



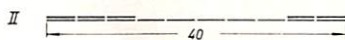
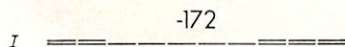
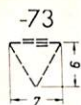
## 9 Stitch Tack Design



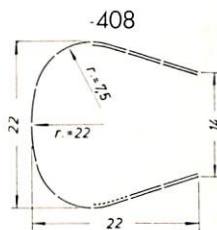
## 14 Stitch Tack Design



## 16 Stitch Tack Design

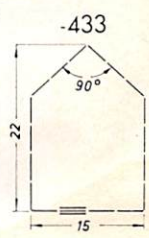
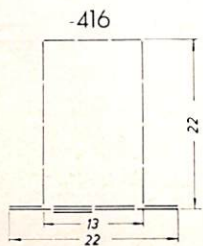
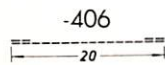
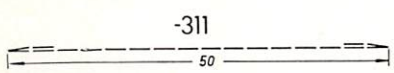
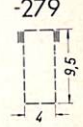
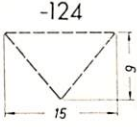
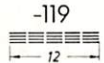
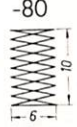
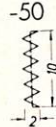
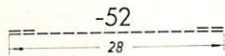
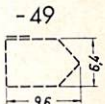
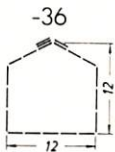
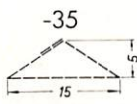
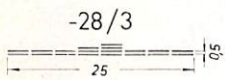
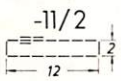
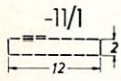
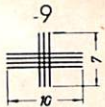
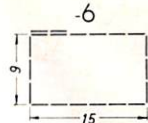


## 18 Stitch Tack Design

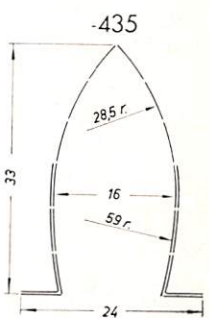
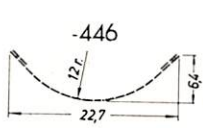
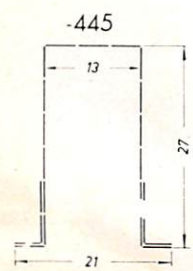
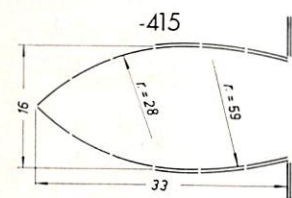
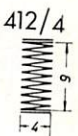
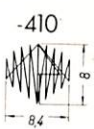
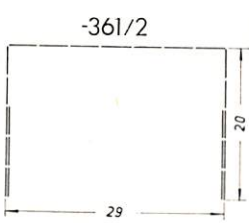
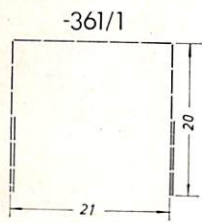
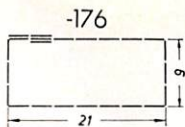
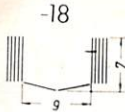




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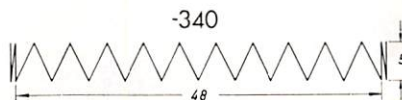
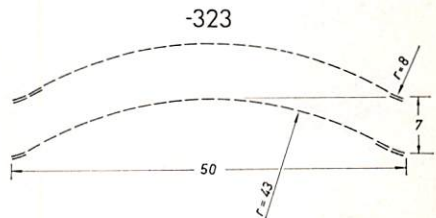
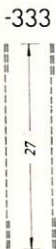
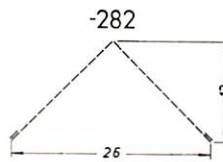
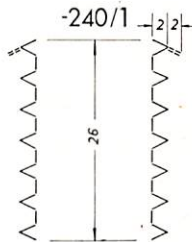
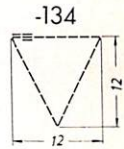
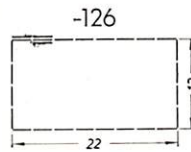
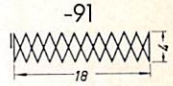
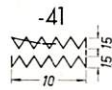
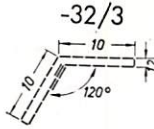
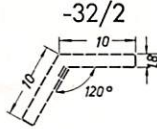
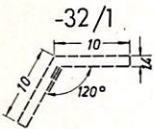
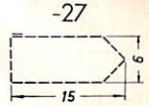
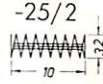
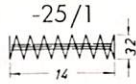
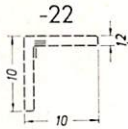


24 Stitch Tack Design

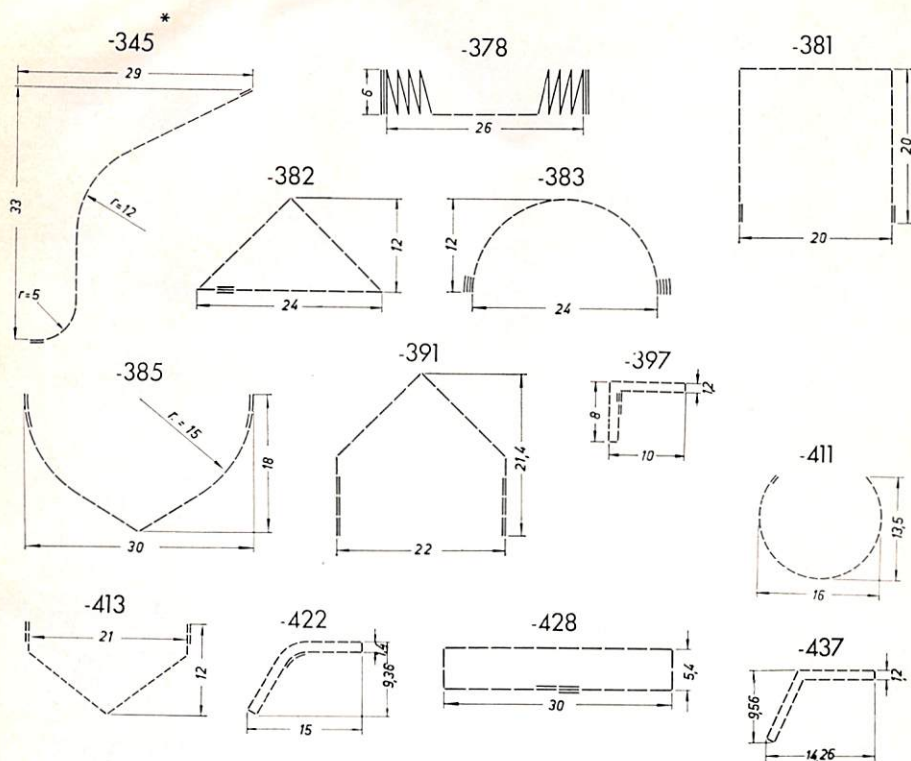




## 28 Stitch Tack Design

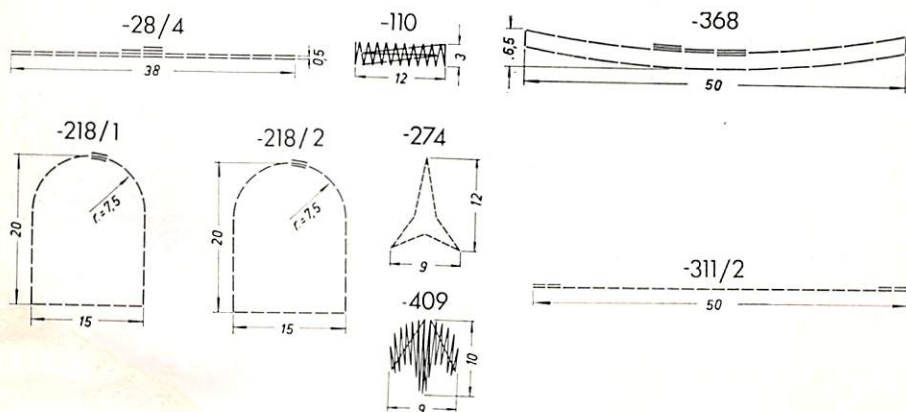


## 28 Stitch Tack Design



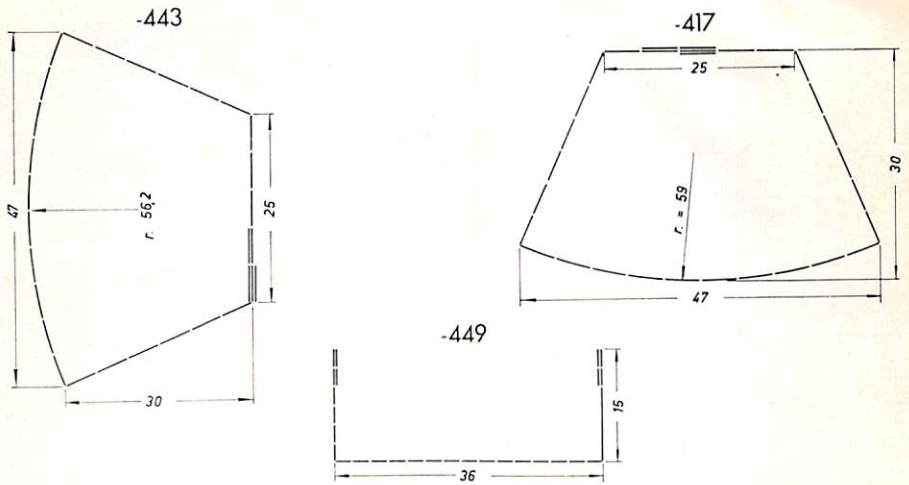
\* Special variety

## 32 Stitch Tack Design

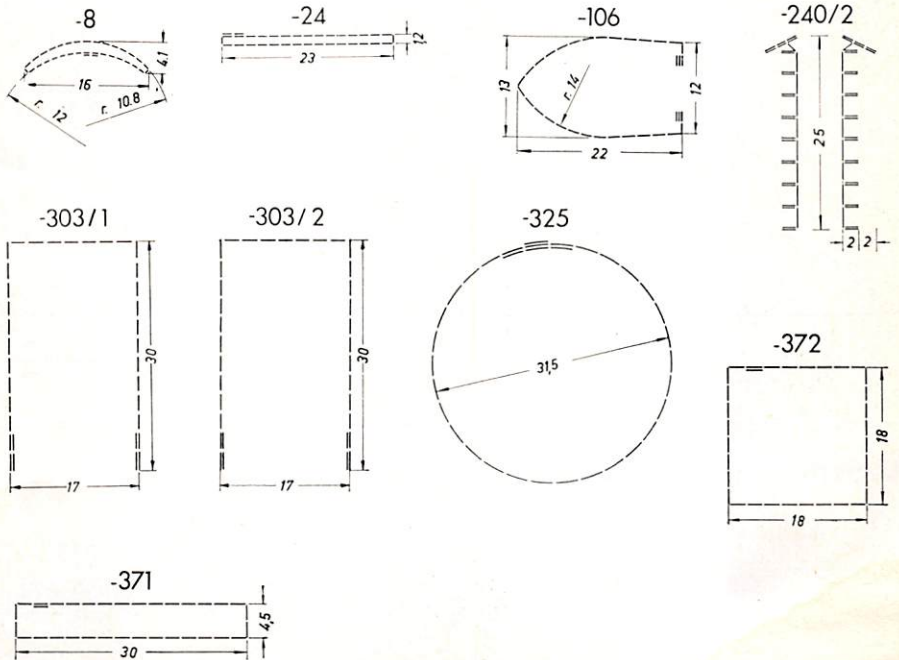




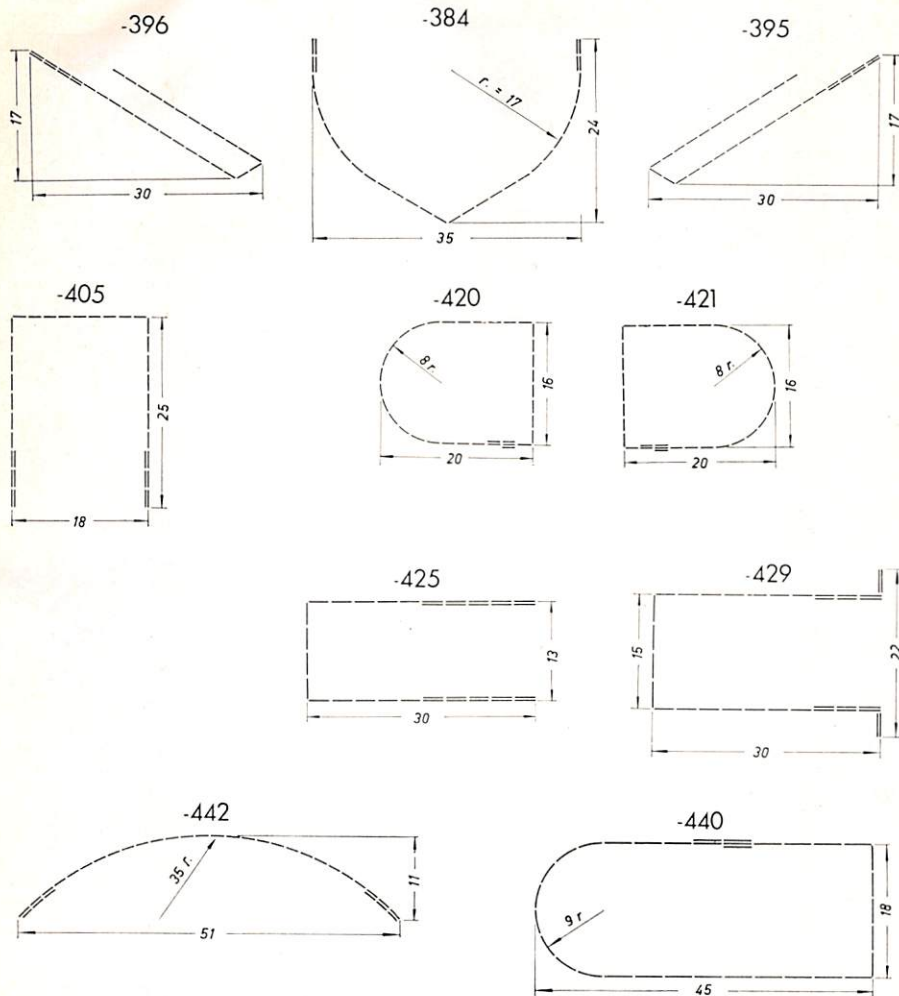
## 32 Stitch Tack Design



## 36 Stitch Tack Design



## 36 Stitch Tack Design

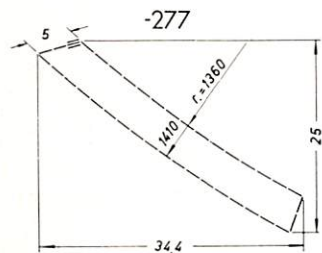
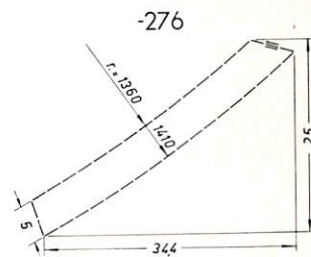
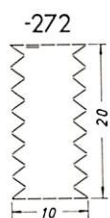
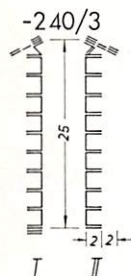
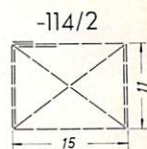
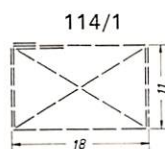
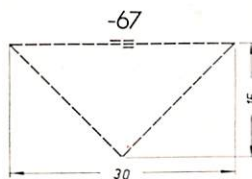
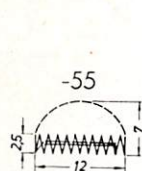
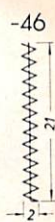
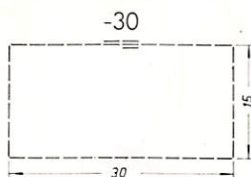
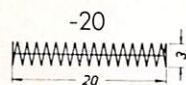
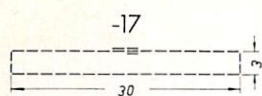


## 42 Stitch Tack Design

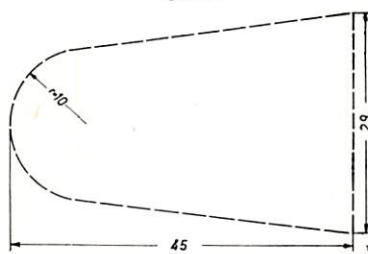




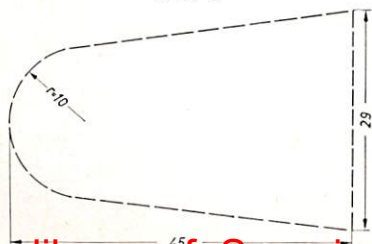
## 42 Stitch Tack Design



-301/1

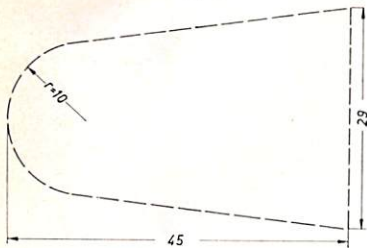


-301/2

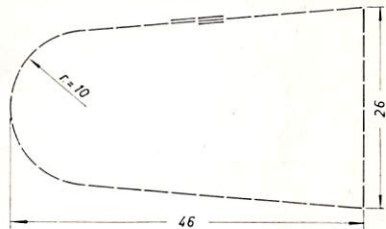


## 42 Stitch Tack Design

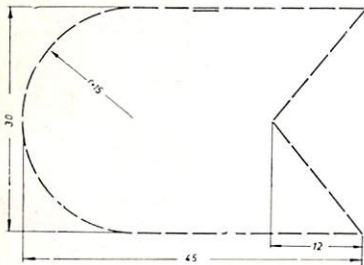
-301/3



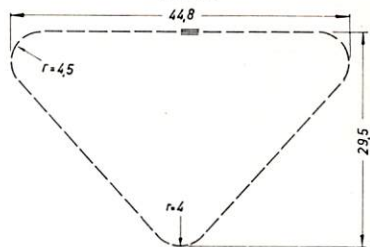
-301/4



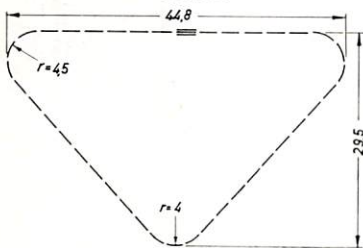
-309



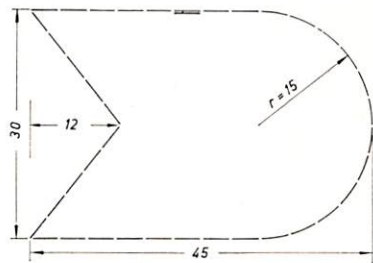
-310/1



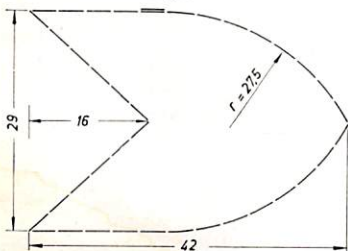
-310/2



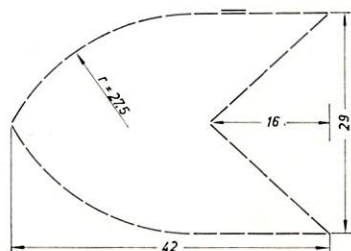
-339



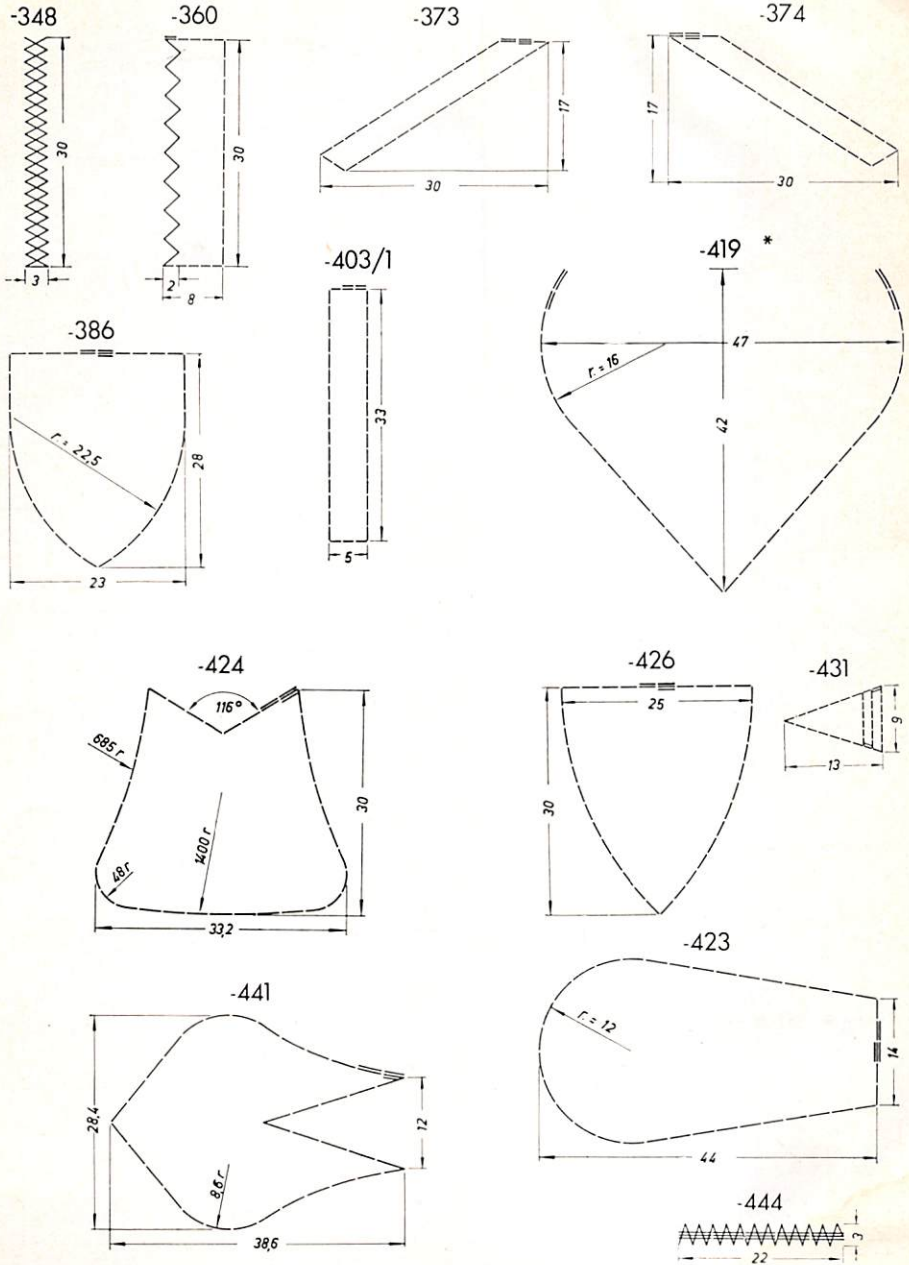
-342



-347



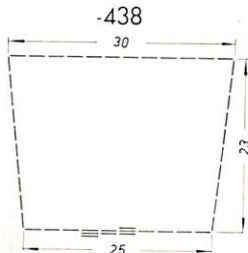
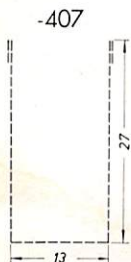
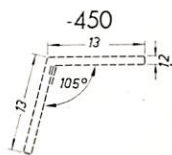
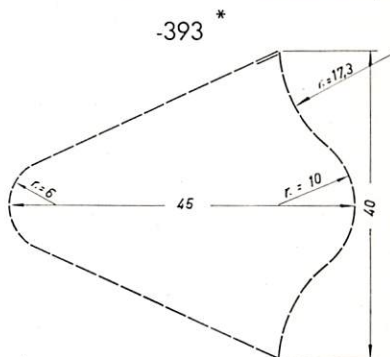
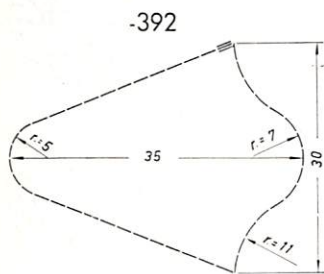
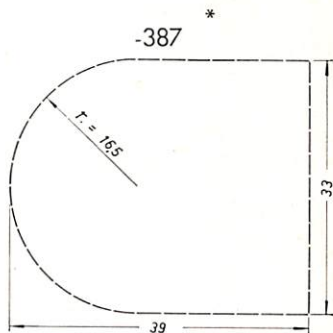
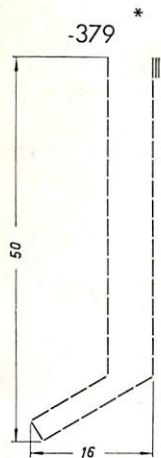
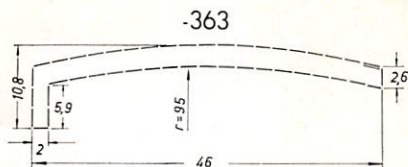
## 42 Stitch Tack Design



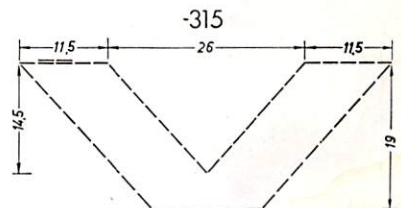
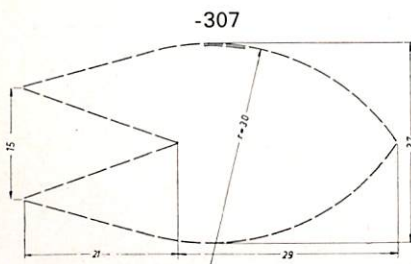
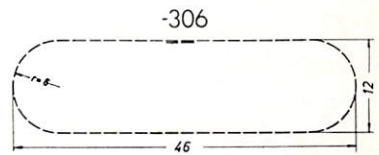
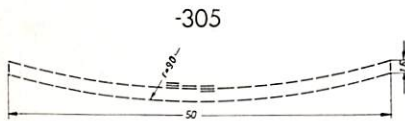
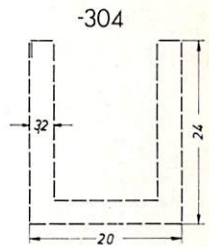
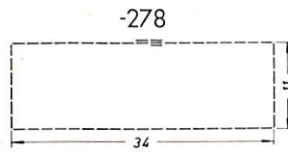
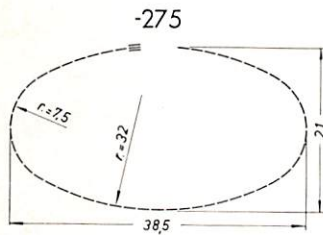
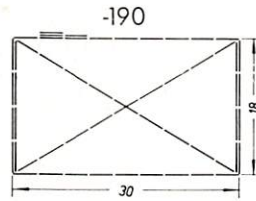
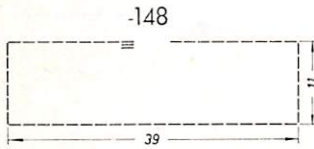
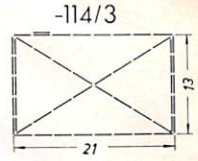
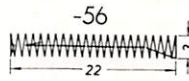
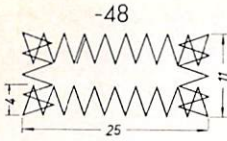
\* Special variety



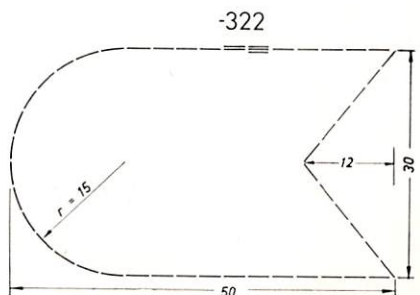
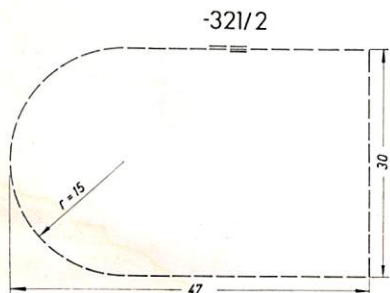
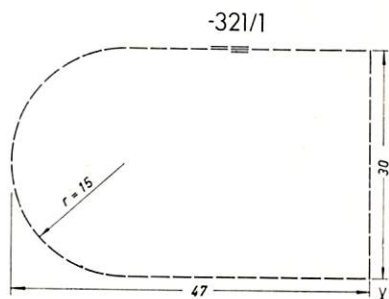
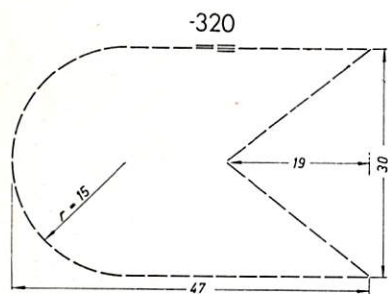
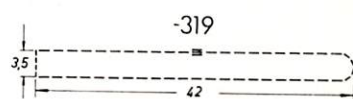
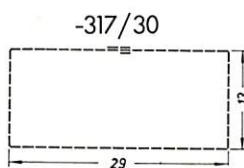
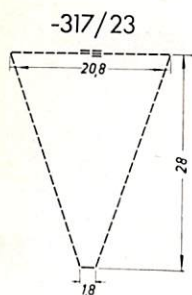
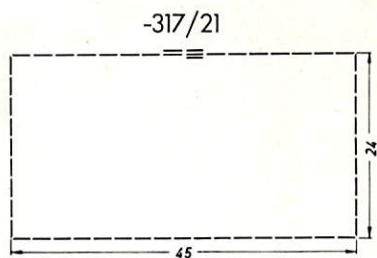
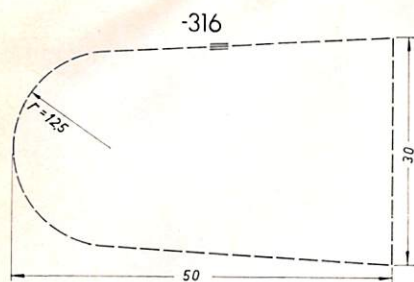
# 48 Stitch Tack Design



## 56 Stitch Tack Design

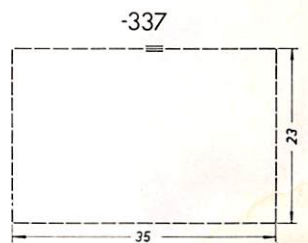
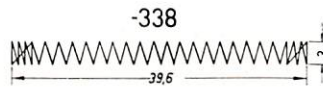
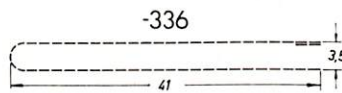
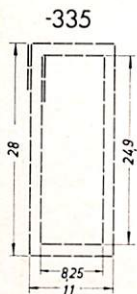
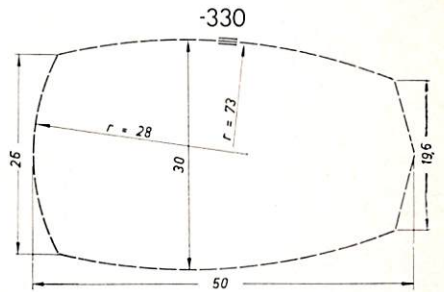
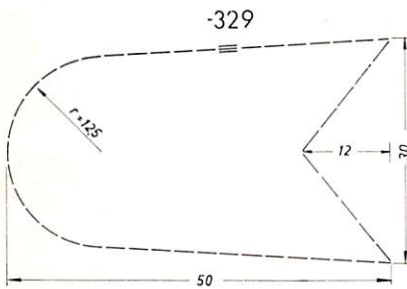
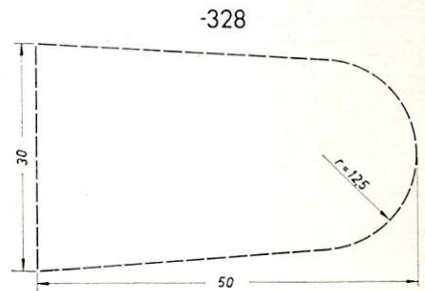
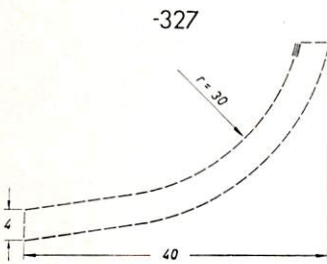
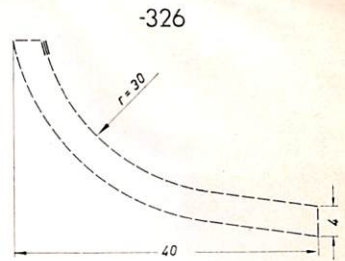
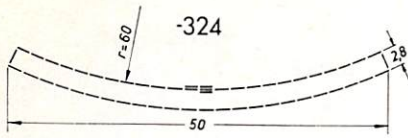


## 56 Stitch Tack Design



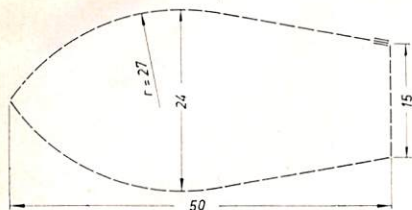


## 56 Stitch Tack Design

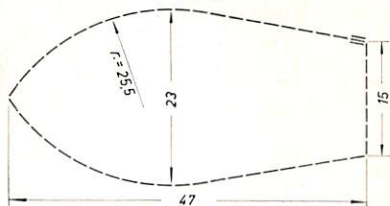


## 56 Stitch Tack Design

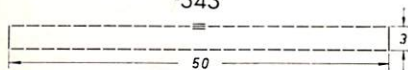
-341/1



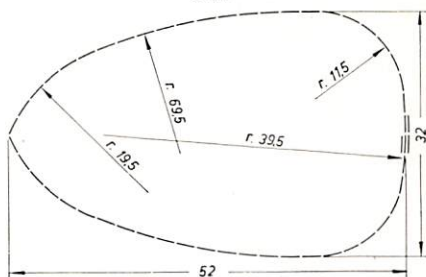
-341/2



-343



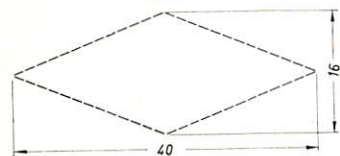
-344 \*



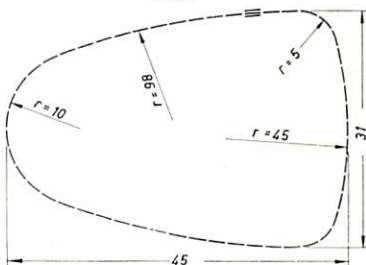
-346



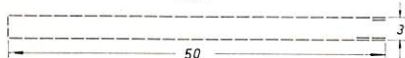
-349



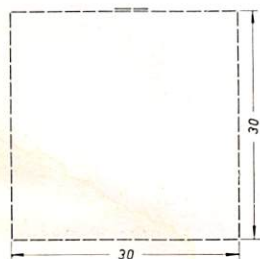
-350



-351



-354

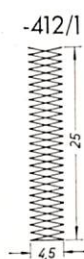
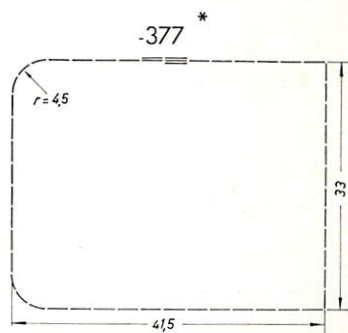
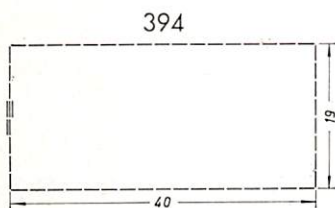
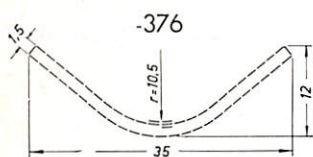
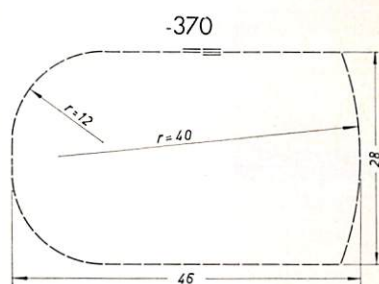
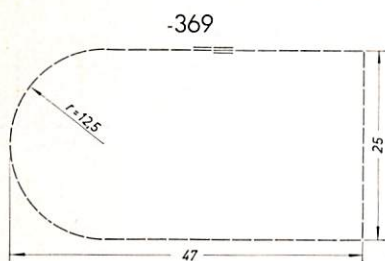
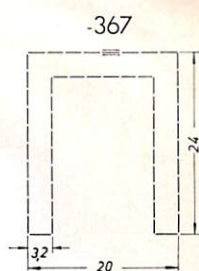
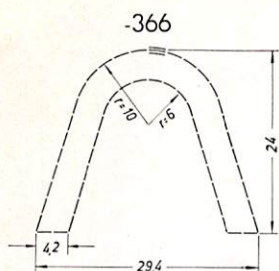


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\* Special variety

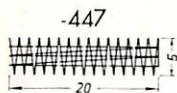
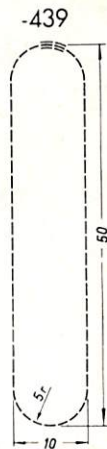
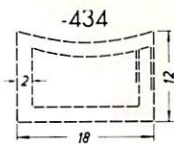
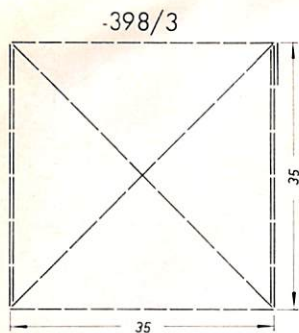
## 56 Stitch Tack Design



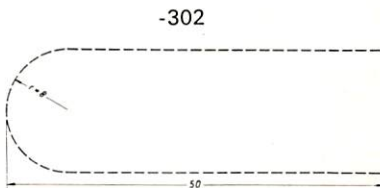
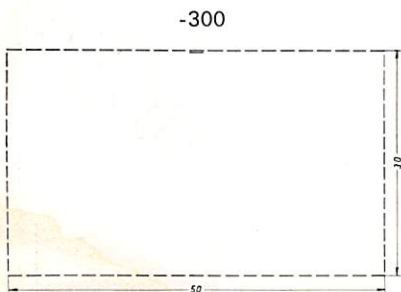
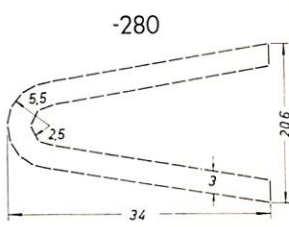
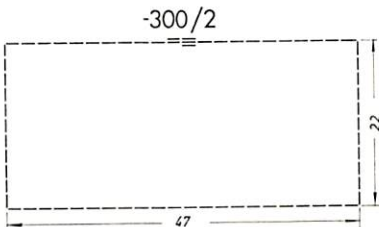
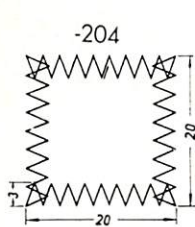
\* Special variety



## 64 Stitch Tack Design

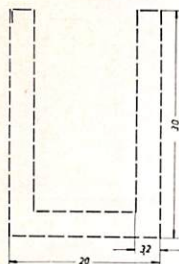


## 72 Stitch Tack Design

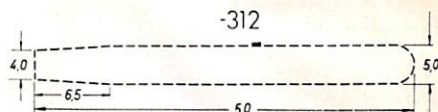


## 72 Stitch Tack Design

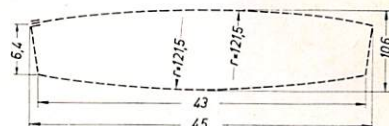
-308



-312



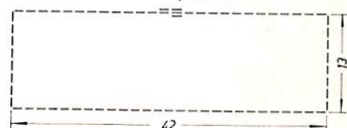
-313



-317/1



-317/3



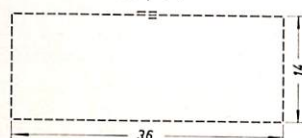
-317 /6



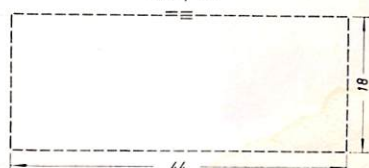
-317/10



-317/14

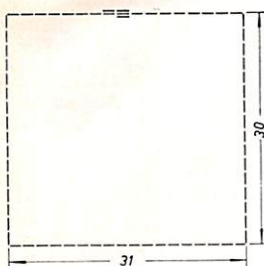


-317/15



## 72 Stitch Tack Design

-317/24



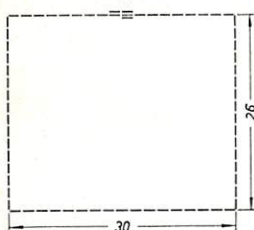
-317/26



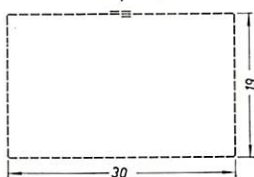
-317/27



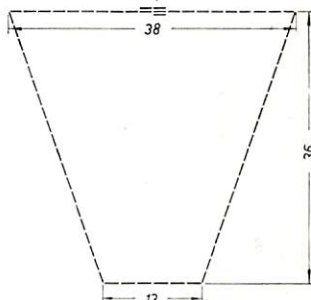
-317/28



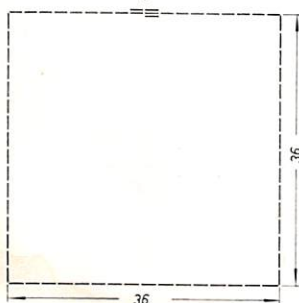
-317/29



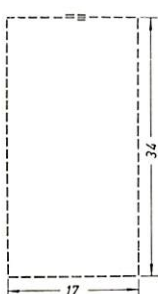
-317/31



-317/32



-318 \*



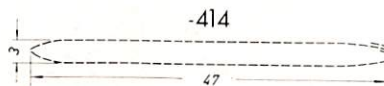
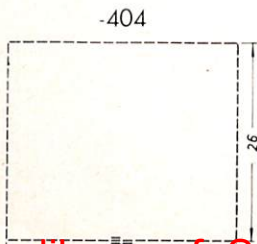
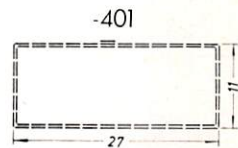
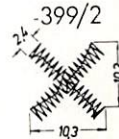
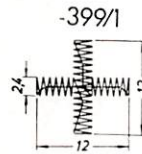
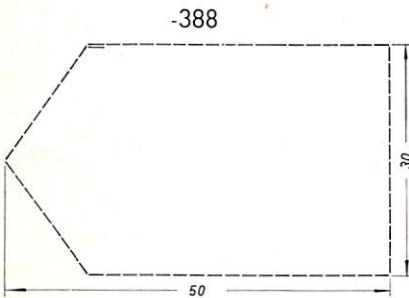
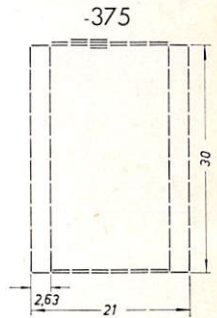
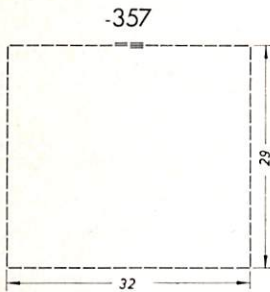
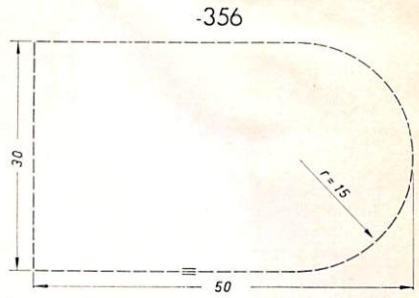
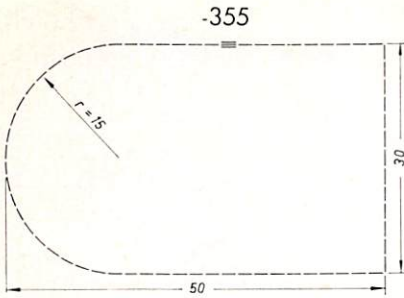
-352



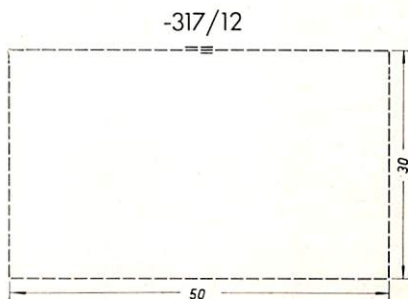
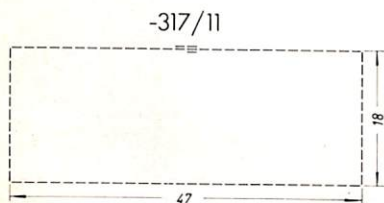
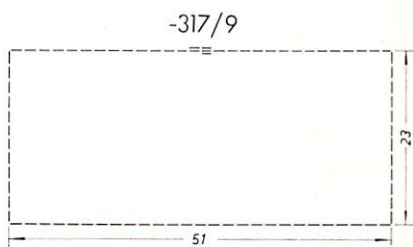
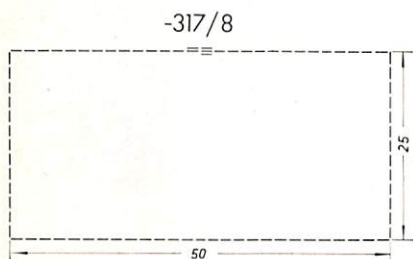
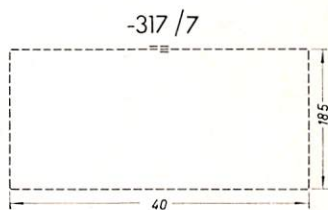
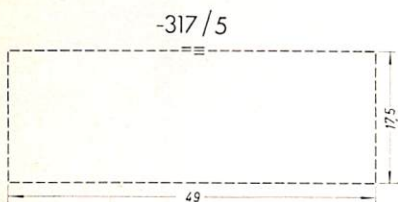
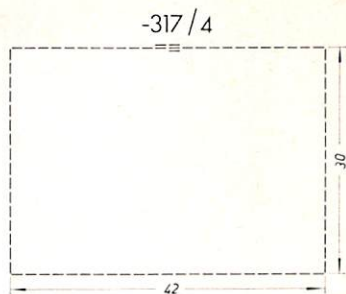
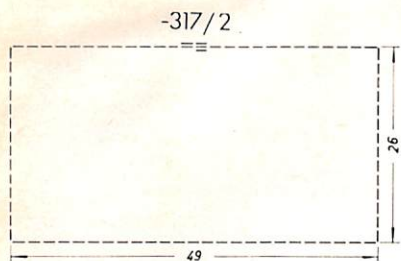
\* Special variety



## 72 Stitch Tack Design

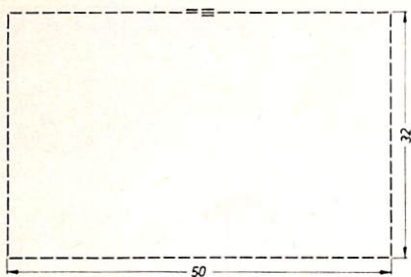


## 84 Stitch Tack Design



## 84 Stitch Tack Design

-317/19 \*



-317/20



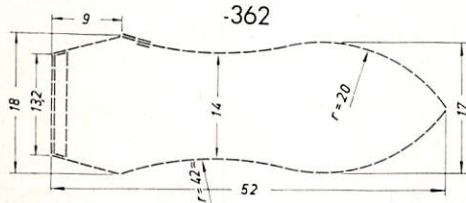
-331



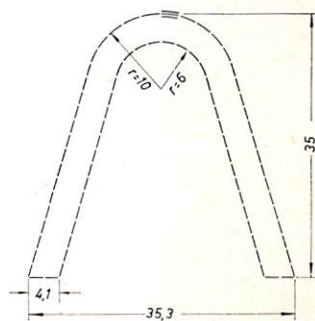
-332



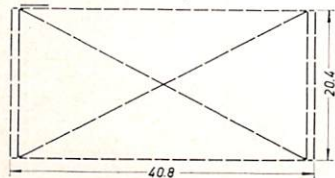
-362



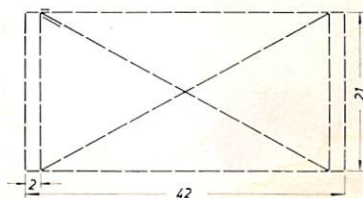
-365 \*



-398/1



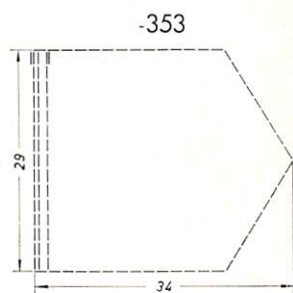
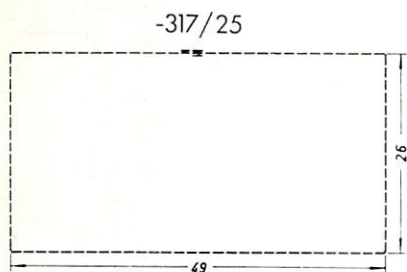
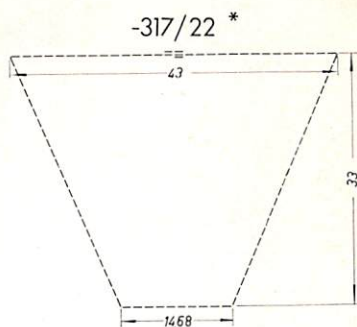
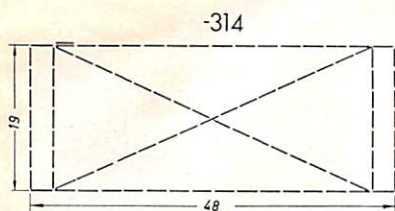
-398/2



\* Special variety



## 96 Stitch Tack Design



## Numerical List of Subclasses

Subclass	Stitches per Tack	Tack Design on Page	Subclass	Stitches per Tack	Tack Design on Page
-1/1	21	9	-26	21	9
-1/2	21	9	-27	28	11
-2	42	14	-28/1	9	7
-3/1	42	14	-28/2	14	7
-3/2	42	14	-28/3	21	9
-3/3	42	14	-28/4	32	12
-4	21	9	-29	14	7
-5/1	21	9	-30	42	15
-5/2	24	10	-31	21	9
-5/3	28	11	-32/1	28	11
-6	21	9	-32/2	28	11
-7	9	7	-32/3	28	11
-8	36	13	-34	42	15
-9	21	9	-35	21	9
-10	14	7	-36	21	9
-11/1	21	9	-38	16	8
-11/2	21	9	-41	28	11
-14	21	9	-42	14	7
-17	42	15	-46	42	15
-18	24	10	-48	56	19
-19	9	7	-49	21	9
-20	42	15	-50	21	9
-21	7	7	-52	21	9
-22	28	11	-55	42	15
-23	21	9	-56	56	19
-24	36	13	-62	18	8
-25/1	28	11	-65	21	9
-25/2	28	11	-67	42	15

Subclass	Stitches per Tack	Tack Design on Page	Subclass	Stitches per Tack	Tack Design on Page
-73	16	8	-274	32	12
-75	14	7	-275	56	19
-80	21	9	-276	42	15
-91	28	11	-277	42	15
-98	28	11	-278	56	19
-103	28	11	-279	21	9
-106	36	13	-280	72	24
-110	32	12	-282	28	11
-112	14	7	-300	72	24
-114/1	42	15	-300/2	72	24
-114/2	42	15	-301/1	42	15
-114/3	56	19	-301/2	42	15
-119	21	9	-301/3	42	16
-122	28	11	-301/4	42	16
-124	21	9	-302	72	24
-126	28	11	-303/1	36	13
-134	28	11	-303/2	36	13
-148	56	19	-304	56	19
-172	16	8	-305	56	19
-176	24	10	-306	56	19
-190	56	19	-307	56	19
-204	72	24	-308	72	25
-218/1	32	12	-309	42	16
-218/2	32	12	-310/1	42	16
-240/1	28	11	-310/2	42	16
-240/2	36	13	-311	21	9
-240/3	42	15	-311/2	32	12
-272	42	15	-312	72	25
-273	42	15	-313	72	25



Subclass	Stitches per Tack	Tack Design on Page	Subclass	Stitches per Tack	Tack Design on Page
-314	96	30	-317/31	72	26
-315	56	19	-317/32	72	26
-316	56	20	-318	72	26
-317/1	72	25	-319	56	20
-317/2	84	28	-320	56	20
-317/3	72	25	-321/1	56	20
-317/4	84	28	-321/2	56	20
-317/5	84	28	-322	56	20
-317/6	72	25	-323	28	11
-317/7	84	28	-324	56	21
-317/8	84	28	-325	56	13
-317/9	84	28	-326	56	21
-317/10	72	25	-327	56	21
-317/11	84	28	-328	56	21
-317/12	84	28	-329	56	21
-317/14	72	25	-330	56	21
-317/15	72	25	-331	84	29
-317/19	84	29	-332	84	29
-317/20	84	29	-333	28	11
-317/21	56	20	-334	28	11
-317/22	96	30	-335	56	21
-317/23	56	20	-336	56	21
-317/24	72	26	-337	56	21
-317/25	96	30	-338	56	21
-317/26	72	26	-339	42	16
-317/27	72	26	-340	28	11
-317/28	72	26	-341/1	56	22
-317/29	72	26	-341/2	56	22
-317/30	56	20	-342	42	16

Subclass	Stitches per Tack	Tack Design on Page	Subclass	Stitches per Tack	Tack Design on Page
-343	56	22	-371	36	13
-344	56	22	-372	36	13
-345	28	12	-373	42	17
-346	56	22	-374	42	17
-347	42	16	-375	72	27
-348	42	17	-376	56	23
-349	56	22	-377	56	23
-350	56	22	-378	28	12
-351	56	22	-379	48	18
-352	72	26	-380	48	18
-353	96	30	-381	28	12
-354	56	22	-382	28	12
-355	72	27	-383	28	12
-356	72	27	-384	36	14
-357	72	27	-385	28	12
-358	18	8	-386	42	17
-359	56	22	-387	48	18
-360	42	17	-388	72	27
-361/1	24	10	-389	14	7
-361/2	24	10	-390	14	7
-362	84	29	-391	28	12
-363	48	18	-392	48	18
-364	48	18	-393	48	18
-365	84	29	-394	56	23
-366	56	23	-395	36	14
-367	56	23	-396	36	14
-368	32	12	-397	28	12
-369	56	23	-398/1	84	29
-370	56	23	-398/2	84	29

Subclass	Stitches per Tack	Tack Design on Page	Subclass	Stitches per Tack	Tack Design on Page
-398/3	64	24	-421	36	14
-399/1	72	27	-422	28	12
-399/2	72	27	-423	42	17
-401	72	27	-424	42	17
-402/1	48	18	-425	36	14
-402/2	48	18	-426	42	17
-403/1	42	17	-428	28	12
-404	72	27	-429	36	14
-405	36	14	-430	56	23
-406	21	9	-431	42	17
-407	48	18	-432	21	9
-408	18	8	-433	21	9
-409	32	12	-434	64	24
-410	24	10	-435	24	10
-411	28	12	-436	64	24
-412/1	56	23	-437	28	12
-412/2	24	10	-438	48	18
-412/3	24	10	-439	64	24
-412/4	24	10	-440	36	14
-413	28	12	-441	42	17
-414	72	27	-442	36	14
-415	24	10	-443	32	13
-416	21	9	-444	42	17
-417	32	13	-445	24	10
-418	24	10	-446	24	10
-419	42	17	-447	64	24
-420	36	14	-449	32	13
			-450	48	18



**Pfaff 3335-0 A (B)**

**Automatic Bartacker  
for tack designs up to  $1\frac{3}{16}'' \times 2''$   
on lightweight fabrics**

### **Technical Data**

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

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

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

**Needles: System 34 R; 34 LR or 332 up to No. 140**

**Net Weight (head only): 82 lbs**

**Gross Weight (head boxed): 108 lbs**

**Box Dimensions:  $24\frac{3}{4}'' \times 15\frac{3}{4}'' \times 11\frac{1}{2}''$  (630 x 400 x 290 mm)**

**Subject to alterations in design**

**G. M. PFAFF AG**

**KAISERSLAUTERN BRANCH**

No. 10341 engl. Schn. 1163

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