FITTINGS GUIDE
for
HIGH SPEED TRIMMING
AND OVEREDGING MACHINES
460K20 AND 460K50

DESIGN FEATURES

Designed for trimming and overedging light and medium weight fabrics, the 460K50 is a two needle, two looper, automatically lubricated drop feed machine.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bright</td>
<td>3/32&quot; to 7/32&quot;</td>
</tr>
<tr>
<td>Clearance under Presser Foot</td>
<td>3/16&quot; with .109&quot; and 2 m.m. gauge. 1/8&quot; with 1/16&quot; gauge fittings.</td>
</tr>
<tr>
<td>Maximum stitch length</td>
<td>10&quot;) Standard .109&quot; gauge</td>
</tr>
<tr>
<td>Minimum stitch length</td>
<td>24&quot;) machine is fitted for 10 s.p.i.: 1/16&quot; or 2 m.m. gauge machines are fitted for 14 s.p.i.</td>
</tr>
<tr>
<td>Needle Spacing</td>
<td>.109&quot; (Standard). 1/16&quot; or 2 m.m. (Alternatives).</td>
</tr>
<tr>
<td>Needle</td>
<td>Cat. 1435 (Size 14 standard). Cat. 1437 (Alternative).</td>
</tr>
<tr>
<td>Speed</td>
<td>Up to 6,500 s.p.m.</td>
</tr>
<tr>
<td>Stitch Type</td>
<td>No. 512 (Standard), No. 506 (Modified) (Alternative when using 1/16&quot; or 2 m.m. fittings). No. 504 for single needle work.</td>
</tr>
<tr>
<td>Thread</td>
<td>Either left or right twist used.</td>
</tr>
<tr>
<td>Oil</td>
<td>Type &quot;H&quot;</td>
</tr>
</tbody>
</table>

From the library of: Superior Sewing Machine & Supply LLC
The applications quoted in this guide are only an indication of the type of operation the various groups of fittings can perform. To find out fully how they can be related to your specific operational requirements contact your nearest Industrial Sales Office or write direct to:

The Singer Company,
Industrial Products Division,
30, Rockefeller Plaza,
New York,
N.Y. 10020.

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STANDARD FITTINGS
SUPPLIED WITH 460K50 MACHINE UNLESS OTHERWISE SPECIFIED ON ORDER

STANDARD Trimming and overedging light
APPLICATION: and medium weight fabrics using a four-thread dual stitch, Type 512

Needle spacing .109"

164627 Presser Foot
165108 Feed (front) Dog
81426 Throat Plate
87025 Looper (left hand)

Cat. 1435 Needles, (2), size 14

82319 Needle Driving Shaft

164556 Knife (movable)

165060 Needle Guard

87027 Looper (right hand)

81201-010 Feed Eccentric (2)
APPLICATION: Trimming and overedging light and medium weight fabrics using a four-thread stitch, Type 506 modified

Needle spacing $\frac{1}{16}$

FITTINGS REQUIRED

- 164642 Presser Foot with Chain Cutter
- 82325 Needle Driving Shaft Complete
- 81427 Throat Plate (1/8" bight) (for Cat.1435 needles size 10 and above)
- 81428 Throat Plate (1/8" bight) (for Cat.1435 needles size 9)
- 81201-014 Feed Eccentric (2)
- 164635 Feed (back) Dog
- 164636 Feed (front) Dog
- Needles (2) Cat.1435, Size 9
- 165061 Needle Guard
APPLICATION: Trimming and overedging light and medium weight fabrics using a four-thread dual stitch, Type 512

Needle spacing \( \frac{1}{16} '' \)

FITTINGS REQUIRED

- 164642 Presser Foot with Chain Cutter
- 98729 Needle Driving Shaft Complete
- 81427 Throat Plate (1/8" bight) (for Cat.1435 needles size 10 and above)
- 81428 Throat Plate (1/8" bight) (for Cat.1435 needles size 9)
- 81201-014 Feed Eccentric (2)
- 164635 Feed (back) Dog
- 164636 Feed (front) Dog
- 98727 Needle Guard

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APPLICATION: Trimming and overedging light and medium weight fabrics using a four-thread stitch, Type 506 modified

Needle spacing 2 m/m.

FITTINGS REQUIRED

81448 Throat Plate

82328 Needle Driving Shaft Complete

Needles (2) Cat.1435, Size 12

81282 Feed (back) Dog

81201-014 Feed Eccentric (2)

81279 Feed (front) Dog

165061 Needle Guard
APPLICATION: Trimming and overedging light and medium weight fabrics using a four-thread dual stitch, Type 512

Needle spacing 2 m/m.

FITTINGS REQUIRED

81448 Throat Plate

98728 Needle Driving Shaft Complete

81282 Feed (back) Dog

98727 Needle Guard

81279 Feed (front) Dog

81201-014 Feed Eccentric (2)

Needles (2) Cat.1435, Size 12

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APPLICATION: Trimming, turning-up and overedging blankets, using a four-thread dual stitch, Type 512

Needle spacing .109"

Fittings Required

APPLICATION: Standard application but using a looper (left hand) with integral needle guard to minimise inward needle deflection

101930
Looper (left hand) with Needle Guard

APPLICATION: Trimming and overedging using one needle and producing a three-thread tight stitch, Type 504

FITTINGS REQUIRED

87033
Needle Holder Washer
APPLICATION: Trimming and overedging using one needle and producing a two-thread overedge stitch, Type 503

FITTINGS REQUIRED

93508
Needle Driving Shaft Complete

87058
Spreader

NOTE: WHEN USING THESE FITTINGS IT IS NECESSARY TO INTERCHANGE SPRINGS ON THE LOOPER TENSIONS.
APPLICATION: Trimming and overedging using one needle and producing a three-thread purl-on-edge stitch, Type 505

FITTINGS REQUIRED

NOTE: WHEN USING THESE FITTINGS IT IS NECESSARY TO INTERCHANGE SPRINGS ON THE LOOPER TENSIONS.
CONVERSION KIT
for
GATHERING
No. 90179

Presser Bar Lifting Lever

Lifting Lever Stop Screw
Lifting Lever Stop Screw Nut

Ball Joint Position Plate (front)
Ball Joint Position Plate Screw (2)
Ball Joint Position Plate (back)
Ball Joint
Lever and Indicator
Indicator Chain Screw
Indicator Stop (upper)

Gathering Device
Indicator Plate

Lever and Indicator
Extension Screw

Hinge Screw

Guide Plate
Stop Screw

Machine Frame
Cover (back)
The undernoted parts are used with Kit No. 90179 but must be ordered as individual items.
SWING-UP GATHERING ATTACHMENT

No. 87063

for use when machine has been converted for gathering
The undernoted parts are used with Kit No. 87063
but must be ordered as individual items
APPLICATION: Trimming bulky knit materials or using a wide bight

For this application it is only necessary to substitute screw No. 50650 in place of screw No. 114032 and washer No. 3146.

APPLICATION: Changing stitch length

FEED ECCENTRICS WHICH CAN BE USED ON SINGER* 460K20 & 460K50 MACHINES

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>STITCH LENGTH PER INCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>81201-010</td>
<td>10</td>
</tr>
<tr>
<td>81201-011</td>
<td>11</td>
</tr>
<tr>
<td>81201-012</td>
<td>12</td>
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<td>81201-013</td>
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<td>81201-016</td>
<td>16</td>
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<td>81201-018</td>
<td>18</td>
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<td>81201-020</td>
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<td>22</td>
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<tr>
<td>81201-024</td>
<td>24</td>
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