Butt end sewing machine on rail
Butt end sewing machine on rail

L28 / L40

for light to medium heavy fabrics and materials such as fleece, heavy home textiles, light to medium tufted carpets, glass fibre (woven or fleece), aramide, plastic materials, etc.

Execution example Dohle L28:
- Sewing length 1,700 mm
- Frame length 2,800 mm
- Fixation of the fabric by left and right clamping tensioner (other sewing lengths available)
**The function in detail**

**L28 / L40**

**Sewing unit**
The robust sewing unit is suitable for dry and for wet fabrics. Cutting and sewing take place in one single step.

**L28:**
The seam width of appr. 28 mm is a tear-resistant standard seam for a wide range of applications. It increases the efficiency of many processes such as printing, coating or finishing.

**L40:**
The seam width of appr. 40 mm strengthens the resistance of the seam significantly. This is particularly beneficial for the connection of loose fabrics or for applications with highest tear forces.

**Fabric tensioner**
The fabric can be clamped by means of the right and left fabric tensioner. The fabric tensioners are movable. If necessary, a slight tension can be applied to prepare the fabric for the following sewing process.

**Cutting device**
The powerful cutting device is equipped with an HSS-cutter running at double rpm. The counter-knife is made of extreme durable carbid metal. The cutting device can be axially adjusted to obtain one of the following connections:

- butt ot butt (flat)
- overlapping or
- with a gap

**Control unit**
Due to the simple control unit operating the machine is easy and self-explanatory.

The first step is to choose the desired direction (sewing or backward motion to the initial position*). Then the start button is pressed.

(* for 230V single phase: forward motion by motor, backward motion manually using the clutch-lever.)
Butt-end sewing machine

Dohle for joining fabrics...

- quick
- secure
- reliable

Perfection in the details:
Convincing solutions for easy operation and for high productivity:

- integrated knife grinding device
- quick change of thread
- frame easily to move (fig.)

Examples:

Technical changes reserved (Jan. 2016)
More options and special designs available, give us a call or send us samples.
The machines shown in this brochure may be equipped with options.
For extreme hard and stiff materials please have a look to our brochure “Ultra-Super”.

DOHLE
Industrial Sewing Machines
<table>
<thead>
<tr>
<th></th>
<th>L-28</th>
<th>L-40</th>
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<tbody>
<tr>
<td><strong>Seam width</strong></td>
<td>28 mm</td>
<td>40 mm</td>
</tr>
<tr>
<td><strong>Sewing length</strong></td>
<td>as desired</td>
<td></td>
</tr>
<tr>
<td><strong>Seam type</strong></td>
<td>Single thread butt-end</td>
<td></td>
</tr>
<tr>
<td><strong>Cutting knife</strong></td>
<td>Ø 100 mm</td>
<td>Ø 100 mm</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>400 V / three phase (other voltages possible)</td>
<td></td>
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<tr>
<td><strong>Rated el. power</strong></td>
<td>0,75 kW</td>
<td>0,75 kW</td>
</tr>
<tr>
<td><strong>Available fabric fixation devices</strong></td>
<td>pin bar, hinged bar, left and right clammers with intermediate holders, etc.</td>
<td></td>
</tr>
<tr>
<td><strong>Possible stitch lengths</strong></td>
<td>4, 6, 8, 10 mm</td>
<td>6, 8, 10 mm</td>
</tr>
<tr>
<td><strong>max. thickness (appr.) compressed to:</strong></td>
<td>2 x 9 mm</td>
<td>2 x 12 mm</td>
</tr>
<tr>
<td><strong>Needle systems</strong></td>
<td>752 / 723</td>
<td>752 / 723</td>
</tr>
<tr>
<td><strong>Looper system</strong></td>
<td>system 552</td>
<td>system “Jumbo”</td>
</tr>
<tr>
<td><strong>Frame design</strong></td>
<td>self-supporting composite construction (aluminum/stainless steel)</td>
<td></td>
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<tr>
<td><strong>Frame length</strong></td>
<td><img src="L28_L40.png" alt="Diagram" /></td>
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</table>

- **sewing length up to 3,000mm:**
  - frame length = sewing length + 1,100mm

- **sewing length exceeding 3,000mm:**
  - frame length = sewing length + 1,200mm