

Variant-L



Butt-end sewing machine on rail
for medium to heavy fabrics and materials

Available versions:
Variant-L7 / L8 / L9

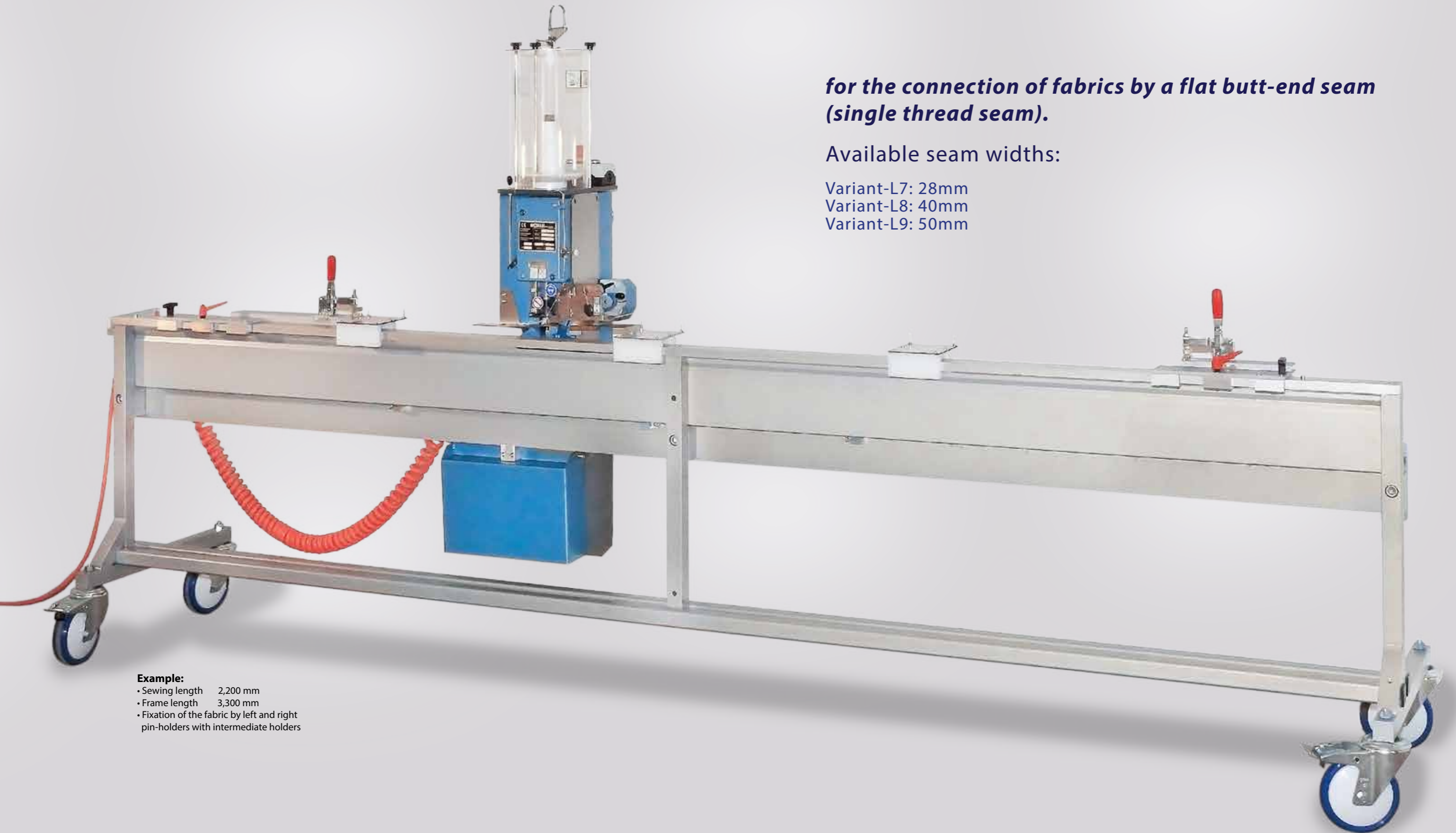
*for the connection of fabrics by a flat butt-end seam
(single thread seam).*

Available seam widths:

Variant-L7: 28mm

Variant-L8: 40mm

Variant-L9: 50mm



Example:

- Sewing length 2,200 mm
- Frame length 3,300 mm
- Fixation of the fabric by left and right pin-holders with intermediate holders



Variant-L7

The seam width of **28mm** 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.

Variant-L8

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

for light to medium fabrics

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



Cutting device

The powerful cutting device is equipped with a HSS-cutter (diameter 100mm) and a counter knife made of extremely durable carbid metal.

The cutting device can be axially adjusted to obtain the following connections:

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

Sewing unit

The robust sewing unit is suitable for dry and for wet fabrics. Cutting and sewing take place in one single step. The two fabric ends are joined by the sewing thread. After unfolding the two ends the connection is flat.



Variant-L9

for medium to heavy fabrics

such as tyre cord, uncoated or light coated carptes, medium artificial grass, foam, rubber, sisal, glass fibre and fleece, thick artificial fur, etc.



The Variant-L9...

The extremely robust sewing unit of the Variant-L9 is equipped with an extra big cutting device (rotating knife, diameter 200mm). This cutting device has a separate motor for easy cutting even of hard and stiff materials. The stitch formation is realized by a robust looper system which delivers a broad (50mm width) seam.

... for robust and resistant seams

Due to its 50mm broad and robust seam the Variant-L9 offers highest tear resistance. This is decisive for many applications such as coating lines, printing lines, shearing lines,



calandering lines, etc.

Even materials such as foam which are difficult to sew on conventional sewing machines can be sewn by the Variant-L machines.

Especially for technical textiles the connections made by the Variant-L machines are an interesting and robust alternative to glueing or adhesive tapes.



Technical data

	Variant-L7	Variant-L8	Variant-L9
Seam width	28 mm	40 mm	50 mm
Sewing length	as desired		
Seam type	Single thread butt-end		
Cutting knife	Ø 100 mm	Ø 100 mm	Ø 200 mm
Voltage	400 V / three phase (other voltages possible)		
Rated el. power	0,75 kW	0,75 kW	0,75 kW + 0,37 kW (cutter)
Available fabric fixation devices	pin bar, hinged bar, left and right pin holder with intermediate holders, supporting table, etc.		
Possible stitch lengths	4, 6, 8, 10 mm	4, 6, 8, 10 mm	6, 8, 10, 12 mm
max. thickness (appr.) compressed to:	2 x 7mm	2 x 8mm	L9: 2 x 7 mm L9-M: 2 x 12 mm L9-X: 2 x 18 mm
Needle systems	752	752 / 723	723 / D8-300
Looper system <i>(loopers are not drawn to scale)</i>	system 552 	L8: system 552 L8J: system „Jumbo“	system „Jumbo“ 

Technical changes reserved (May 2014)

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. More options and special executions available, give us a call or send us samples. For extreme hard and stiff materials please have a look to our brochure "Ultra-Super".

Dohle GmbH & Co. KG
Zeichenstr. 130
52249 Eschweiler, GERMANY

Tel.: +49 (0) 2403 233 71
Fax: +49 (0) 2403 24 897

www.dohle.de
info@dohle.de