

Technical Specifications S-311

Stitch Type	Single needle double chainstitch with or without gimp (401)	
Sewing Speed	1,000 to 2,000 spm adjustable	
Buttonhole Length AF Model LTT Model CT Model RDE Model	Adjustable in increments of 1 mm 10 to 50 mm ($\frac{3}{8}''$ to $1\frac{31}{32}''$); 2 to 7 mm ($\frac{5}{64}''$ to $\frac{9}{32}''$)* 10 to 36 mm ($\frac{3}{8}''$ to $1\frac{13}{32}''$) 16 to 32 mm ($\frac{2}{8}''$ to $1\frac{1}{4}''$) with change of clamp kits: 16-20 mm; 20-24 mm; 24-28 mm; 28-32 mm $(\frac{5}{8}'' - \frac{25}{32}''; \frac{25}{32}'' - \frac{15}{16}''; \frac{15}{16}'' - 1\frac{1}{8}''; 1\frac{1}{8}'' - 1\frac{1}{4}'')$ 2 to 7 mm ($\frac{5}{64}''$ to $\frac{9}{32}''$) - diameter	A B

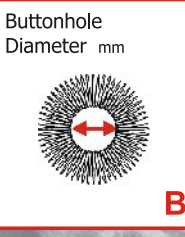
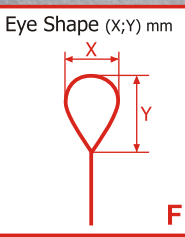
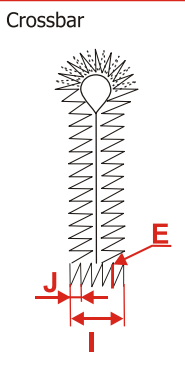
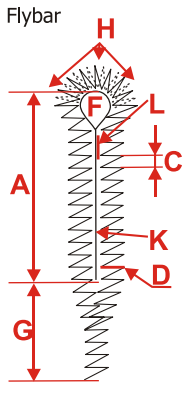
Buttonhole Types		
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Automatic Cutting Length	Sliding block range: 13 - 38 mm Optional: Eye or No Eye (only AF, LTT)	
Stitch Density	0,5 - 2,0 mm adjustable in increments of 0,1 mm	C
Stitch Bite in Buttonhole	2,1+/- 0.3 mm (electronic adjustment); 2,7+/- 0.3 mm (electronic adjustment)	D
Stitch Bite in CRB	2,1+/- 0.5 mm (electronic adjustment); 2,7+/- 0.5 mm (electronic adjustment)	E
Eye Shape (X;Y) mm	No Eye / 2,2 x 3,0 / 2,8 x 4,2 / 3,0 x 4,6 / 3,2 x 5,0 / 3,4 x 4,2	F
Fly Bar Length	3,0 - 20,0 mm	G
Number of Eye Stitches	4 to 20	H

Number of Stitches in the round end	4 to 20	
Length of Crossbar	4 - 8 mm	I
Crossbar density	0,5 - 1,5 mm adjustable in increments of 0,1 mm	J
Clamp Foot Height	12 mm	
Sewing Thickness	8 mm	
Buttonhole Cutting	Cut Before, Cut After, No Cut	K
Cutting Space	- 0,5 to 1,2 mm	L

Thread Trimming	AF, RDE top thread only CT all threads LTT all threads	
Recommended Needle	AMF Reece Series 558; size Nm 90, 100, 110	
Recommended Thread	High Quality Core Spun Polyester; size 80, 100, 120; gimp size 30 and higher	
Air Requirement	0,45 MPa (4,5 bar) (65 psi)	
Electrical Supply	230V, 50/60 Hz 1 phase (according to EN 60947-2)	

Dimensions Head and Table Weight	1100 mm (w) x 700 mm (D) x 1140 mm (H); 43" (w) x 27 $\frac{1}{2}$ " (D) x 45" (H) 175 kg (386 lbs.)	
Dimensions Packed Weight	1150 mm (w) x 790 mm (D) x 1300 mm (H); 45" (w) x 31" (D) x 51" (H) 240 kg (529 lbs.)	

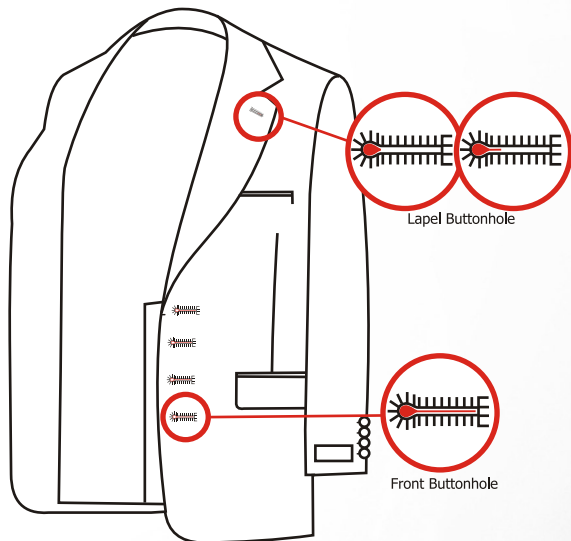


S-311 ACL Lapel Kits

	ACL - LP1	ACL - LP2	ACL - LPE
Cutting Length (Eye Buttonhole)	13-26 mm	13-30 mm	6-30 mm
Cutting Length (Straight Buttonhole)	5- 21 mm	12-25 mm	N/A
Sewing Length	13-26 mm	13-30 mm	13-30 mm
Cutting Block	26 mm	30 mm	30 mm *
Cutting Knife	3,2 x 5,0 mm 26 mm	3,2 x 5,0 mm 30 mm	3,2 x 5,0 mm 38 mm

* ACL-LPE uses the standard S-311 ACL cutting block, that is turned 180°.

ACL - LPE



ACL - LP1 and ACL - LP2

