

LSWN series

High speed, Large vertical axis hook, Reverse stitch, Compound feed and walking foot, Lockstitch machines



LSWN-8BL

Variety



LSWN-8BL

Single needle, compound feed and walking foot, reverse stitch



LSWN-8BLV

Reverse stitch, synchronized binder



LSWN-28BL

Two needle, compound feed and walking foot, reverse stitch



LSWN-8BLV



Open/close simplified face plate and upper feed mechanism



Large pulley (O.D. 150mm)

Applications

- For sewing medium to heavy weight fabrics, leather, vinyl, synthetics and laminated and coated materials.
- Suitable for sewing such as boat and furniture upholstery, tarpaulins, covers, awnings, tents, umbrellas, handbags, luggage, travelware accessories, sports and camping equipment, wearing apparel, outdoor clothing, footwear, foundation garments and orthopedic appliances.



Features

- Totally renewed external appearance./adoption of advanced and massive arm design (realizing lower noise/less vibration).
- Improved exposure of arm-feeding mechanism components which provides safety environment.(mechanical part of alternating presser foot, foot lifter mechanism(knee lifter) and presser foot spring relevant parts)
Plain needle drop area/adoption of open/close simplified face plate which provides wide-ranged movement of sewn material.
- Adoption of feed-adjusting dial which eases determination process of stitch length.
- Advanced penetration required for sewing of thick material/adoption of large pulley(O.D. 150mm) which enables the needle bar to be positioned properly.
- Elongated work space/adoption of built-in bobbin winder which no longer require mounting process.
- Adoption of die-casting oil pan of which by-knee-lifter is built-in, aiming at efficient installment
- Standard equipment of long stitch (max.10mm) suitable for thick material and amount of alternative presser lift (max. 6mm)
- Large vertical axis hook (Automatic hook lubrication).
- Safety clutch prevents the hook from being damaged.
- Available in "THICK THREAD VERSION"(for heavier material). Add suffix "TA" when ordering.
- Synchronized cloth puller available (add suffix "R").
- Available "3 INCH" needle gauge machine.
- 18 inch long arm version available (LLW series).



Built-in bobbin winder



Feed-adjusting dial

Specifications (LSWN-□)

Variety	8BL	8BLV	28BL
Number of needle	Single needle		Two needle
Max. sewing speed	2800(s.p.m.)	2500(s.p.m.)	2600(s.p.m.)
Max. stitch length	25/64" (10 mm)	1/4" (6.2 mm)	25/64" (10 mm)
Clearance under presser foot	by knee	5/8" (16 mm)	15/32" (12 mm)
	by hand	21/64" (8.5 mm)	21/64" (8.5 mm)
Needle bar stroke	1-5/16" (33.2 mm)		
Needle(standard)	DPx17 (#22) , 135x17 (#140)		
Thread	#8 (standard)		
Hook	Large vertical axis hook (2.0 times)		
Amount of lift of alternating presser foot	1/8"-15/64" standard 5/32" (3 - 6 mm) (standard 4 mm)		
Thread take up lever	Slide type		
Lubrication	Semi-automatic type		
Bed size	18-25/32"x 7" (477 x 177 mm)	20-25/64"x 7" (518 x 177 mm)	
Working space	10-5/32"x 4-21/64" (258 x 110 mm)		
Motor	Clutch motor		
Net weight(Head only)	42.5Kg	44.5Kg	45Kg

NOTE (1) Speed depends on threads, materials and type of operation
(2) Specifications subject to change without notice

Needle gauge list

Variety	Needle gauge size
28BL	1/8"(3.2 mm), 3/16"(4.8 mm), 7/32"(5.6 mm), 1/4"(6.4 mm), 5/16"(7.9mm), 3/8"(9.5mm), 7/16"(11.1mm), 1/2"(12.7mm), 9/16"(14.3mm) 5/8"(15.9mm), 3/4"(19.1mm), 7/8"(22.2mm), 1"(25.4mm), 1-3/8"(34.9mm) standard : 1/4"(6.4 mm)



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