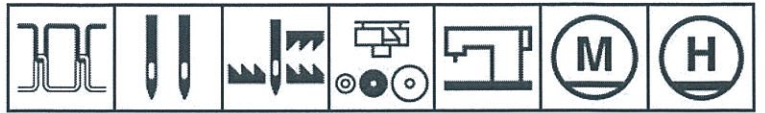


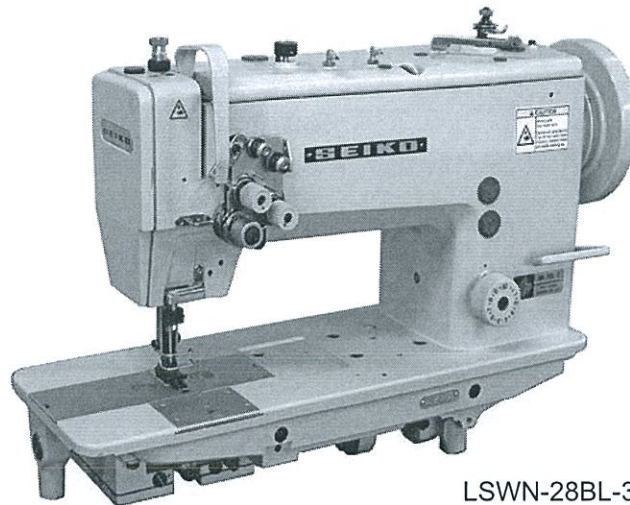


SEIKO®



LSWN two needle series

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



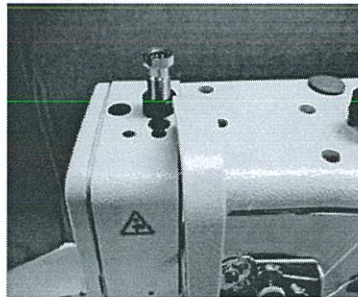
LSWN-28BL-3

Variety

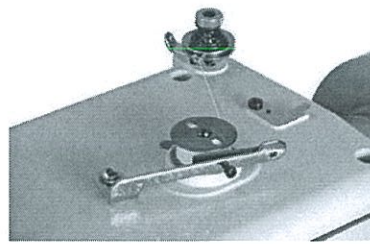
LSWN-28BL-3

LSWN-28BL-3-TA

For thick thread



Pressure force can be adjusted simply and certainly with thumb screw at top.



Built-in bobbin winder that enables simple and fine adjustment of winding volume of threads

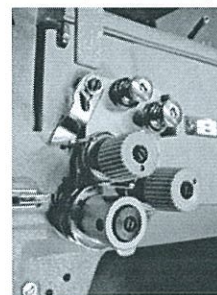
Applications

- 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

- 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.
- Built-in bobbin winder makes it possible to wind the bobbin thread during sewing operation.
- 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.



Two needle

Specifications (LSWN-□)

Variety	28BL-3	28BL-3-TA
Number of needle	Two needle	
Max. sewing speed	2,600 s.p.m.	
Max. stitch length	25/64" (10 mm)	
Clearance under presser foot	by knee	33/64" (13 mm)
	by hand	21/64" (8.5 mm)
Needle bar stroke	1-5/16" (33.2 mm)	
Needle(standard)	DPx17 (#22) , 135x17 (#140)	DPx17 (#24) , 135x17 (#180)
Thread	#8 (standard)	#5 (standard)
Hook	Large vertical axis hook (2.0 times)	
Amount of lift of walking foot	1/8"-15/64" (3 - 6 mm)	standard 5/32" (standard 4 mm)
Thread take up lever	Slide type	
Lubrication	Semi-automatic lubrication type	
Bed size	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)	45 Kg	

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

Needle gauge list (LSWN-□)

Variety	Needle gauge size
28BL-3	standard : 1/4"(6.4 mm), 5/16"(7.9 mm), 3/8"(9.5 mm), 1/2"(12.7 mm), 3/4"(19 mm) special : 1/8"(3.2 mm), 3/16"(4.8 mm), 5/8"(15.9 mm), 1"(25.4 mm), 1-1/4"(31.8 mm), 1-1/2"(38.1 mm)
28BL-3-TA	standard : 3/8"(9.5 mm) special : 1/4"(6.4 mm), 5/16"(7.9 mm), 1/2"(12.7 mm), 3/4"(19 mm)



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