



Product Sheet

Juki LBH-1790A

Category: Industrial sewing machines

Juki XJU1015 – Computerised buttonhole machine

The Juki XJU1015 is a fast and accurate buttonhole machine for industrial sewing of shirts, jackets and workwear. Dry-head technology prevents oil stains, and an electronically controlled presser foot ensures even fabric handling. The machine offers up to 20 programmes and 30 patterns, automatic thread trimming and high speed – perfect for clean, efficient and flexible production.

- High speed and precision
- Advanced automation
- Digital adjustment and storage

Product description

Juki XJU1015 – High-performance buttonhole machine for industrial sewing

The Juki XJU1015 series is a computer-controlled, high-speed buttonhole machine designed for efficient and accurate sewing of buttonholes in a variety of materials. An advanced dry-head mechanism eliminates oil stains, ensuring clean seams and reduced maintenance.

The electronically controlled presser foot and stepper motor-controlled lifting mechanism provide precise material handling, while high speed and automatic thread trimming contribute to fast and efficient production. The machine also features flexible programming, with up to 20 registrable programmes and 30 patterns that can be stored, making it ideal for shirts, jackets and workwear.

Description

- High speed and precision – Sewing speed of 4,200 stitches/min for fast and accurate production.
- Advanced automation – Electronically controlled functions ensure consistent and accurate buttonholes.
- Ergonomic and efficient – Stepper motor-controlled lift mechanism reduces operator fatigue and improves workflow.
- Digital adjustment and storage – Up to 20 registrable programmes and 30 patterns can be stored in the machine.
- Versatile use – Ideal for buttonhole sewing on shirts, jackets and workwear.

Technical Specification

Machine Specifications

• Sewing speed	- LBH-1790AB: Max. 4,200 stitches/min - LBH-1790A: Normal: 3,600 stitches/min (Max. 3,300 stitches/min with oil-free hook) - LBH-1795A: Max. 5,000 stitches/min - LBH-1796A: Max. 3,300 stitches/min
• Needle bar stroke length	34.6 mm
• Cutting width for buttonhole knife	- LBH-1790AB and LBH-1790A: 6.4–22.2 mm - LBH-1795A: 6.4–31.8 mm
• Fastening seam length	LBH-1790AB: Max. 4.0 mm LBH-1795A: Max. 5.0 mm (with special specification: 10 mm)
• Buttonhole length	LBH-1790AB: Max. 25 mm LBH-1790A: Max. 41 mm LBH-1795A: Max. 120 mm LBH-1796A: Max. 220 mm
• Precision of needle ejection mechanism	0.05 mm
• Wire tension	Electronic system with active voltage
• Number of stitches	Automatically calculated depending on the size of the buttonhole
• Needle type	DP×5 (#11) to #14
• Lifting of fabric clamp	- LBH-1790AB: 14 mm (17 mm when using reverse rotation function) - LBH-1796A: Parallel lift 6 mm
Automatic functions	
• Auto-lift	Stepper motor-controlled lifting system
• Wire casting system	Stepper motor for wire throwing
• Buttonhole cutting system	Controlled by stepper motor
• Number of standard patterns	99 patterns
• Hose reel	Integrated into the machine head
Drive system and power consumption	
• Drive system	Compact AC servo motor (direct drive)
• Power supply	3-phase 200–240V / 250VA
• Lubrication	Only small amounts of lubrication are needed for the main part.
Weight	
• Machine head	- LBH-1790AB: 55 kg - LBH-1796A: 60 kg
• Control unit	5.5 kg