

ECLA**EUROPEAN CLASSIFICATION****D05B**

SEWING (appliances for the tailoring trade A41H; sewing tables [A47B29/00](#); sewing in bookbinding [B42B2/00](#); sewing machines modified for knitting [D04B39/08](#))

Note

In this subclass, the groups designating sewing apparatus or machines cover also sewing processes dependent on their use, and the thread seams produced thereby

D05B1/00

General types of sewing apparatus or machines without mechanism for lateral movement of the needle or the work or both

- D05B1/02 . for making single-thread seams
- D05B1/04 . . Running-stitch seams
- D05B1/06 . . Single chain-stitch seams
- D05B1/08 . for making multi-thread seams
- D05B1/10 . . Double chain-stitch seams
- D05B1/12 . . Lock-stitch seams
- D05B1/14 . . Combined or alternative chain-stitch and lock-stitch seams
- D05B1/16 . . Pseudo-lock-stitch seams in which the thread loops do not positively interlock (shoe or welt sewing machines [D05B15/02](#))
- D05B1/18 . . Seams for protecting or securing edges (zig-zag sewing machines [D05B3/02](#), [D05B3/04](#))
- D05B1/20 . . . Overedge seams
- D05B1/22 combined with joining or securing seams
- D05B1/24 . for making blind-stitch seams
- D05B1/26 . for making fluid-tight seams (sewing machines for concurrently making thread and welded seams [D05B17/00](#))

Guide heading:

Special-purpose or automatic sewing apparatus or machines [N: (Surgical sewing machines [A61B17/04M](#))] [[C9409](#)]

D05B3/00

Sewing apparatus or machines with mechanism for lateral movement of the needle or the work or both for making ornamental pattern seams, for sewing buttonholes, for reinforcing openings, or for fastening articles, e.g. buttons, by sewing (programme-controlled sewing machines [D05B19/00](#); with devices for automatically controlling movement of work-carrier [D05B21/00](#))

- D05B3/02 . with mechanisms for needle-bar movement
- D05B3/02B . . [N: with a pair of needles mounted on the needle-bar] [N1107]
- D05B3/04 . with mechanisms for work feed
- D05B3/06 . for sewing buttonholes ([N: detachable devices [D05B3/24](#);] buttonholes [A41F1/02](#))

- D05B3/08 . . for buttonholes with eyelet ends
- D05B3/10 . for making piped openings
- D05B3/12 . for fastening articles by sewing
- D05B3/14 . . perforated or press buttons
- D05B3/16 . . shank buttons
- D05B3/18 . . hooks or eyelets
- D05B3/20 . . labels (labelling fabrics otherwise than by sewing [B65C5/00](#); labels or securing means therefor, in general [G09F3/00](#))
- D05B3/22 . . Article-, e.g. button-, feed mechanisms therefor [N: (work-handling elements for attaching small textile pieces [D05B35/06D](#))] [C9601]
- D05B3/24 . formed by general-purpose sewing machines modified by attachments, e.g. by detachable devices
- D05B3/24B . . [N: for embroidering, e.g. monograms]
- D05B3/24C . . [N: for darning]
- D05B5/00 Sewing machines for temporarily connecting articles, e.g. pairs of socks**
- D05B7/00 Linking machines, e.g. for joining knitted fabrics**
- D05B9/00 Hem-stitch sewing machines**
- D05B11/00 Machines for sewing quilts or mattresses** (control of workpiece-holding frames, or of sewing machines, in order to obtain particular seam configuration [D05B21/00](#))
- D05B11/00B . [N: for sewing the edges of mattresses]
- D05B13/00 Machines for sewing sacks**
- D05B13/02 . for closing filled bags or sacks (combined with bag- or sack-filling apparatus [B65B](#))
- D05B15/00 Machines for sewing leather goods** (making pseudo-lock-stitch seams [D05B1/16](#))
- D05B15/00B . [N: Corner sewing of suitcases or bags] [N9605]
- D05B15/02 . Shoe sewing machines
- D05B15/02B . . [N: for sewing moccasin-type seams] [N9605]
- D05B15/04 . . for lock-stitch work ([D05B15/08](#) takes precedence)
- D05B15/06 . . Welt sewing machines
- D05B15/08 . . . for lock-stitch work
- D05B15/10 . . Lining sewing machines
- D05B17/00 Sewing machines for concurrently making thread and welded seams** (for making non-welded fluid-tight seams [D05B1/26](#))

D05B19/00

Programme-controlled sewing machines (with devices for automatically controlling movement of work-carrier [D05B21/00](#); devices for stopping drive when sewing tools have reached a predetermined position [D05B69/22](#))

[N: WARNING

Group [D05B19/00A](#) is no longer used for classification of new documents. The backlog of this group is being continuously reclassified to groups [D05B19/02](#) to [D05B19/16](#)

D05B19/00A

- [N: Zig-zag sewing machines with electric or electronic programming]

D05B19/00B

- [N: Control knobs or display means ([D05B19/08B](#), [D05B19/10B](#) take precedence)]
[N9605]

D05B19/02

- Sewing machines having electronic memory or micro-processor control unit

D05B19/04

- characterised by memory aspects

D05B19/06

- Physical exchange of memory

D05B19/08

- • • Arrangements for inputting stitch or pattern data to memory; [N: Editing stitch or pattern data] [C0201]

D05B19/08B

- • • • [N: Physical layout of switches or displays; Switches co-operating with the display] [N9605]

D05B19/10

- • • Arrangements for selecting combinations of stitch or pattern data from memory; [N: Handling data in order to control stitch format, e.g. size, direction, mirror image]

D05B19/10B

- • • • [N: Physical layout of switches or displays; Switches co-operating with the display] [N9605]

D05B19/12

- characterised by control of operation of machine

D05B19/14

- Control of needle movement, e.g. varying amplitude or period of needle movement

D05B19/16

- Control of workpiece movement, e.g. modulation of travel of feed dog

D05B21/00

Sewing machines with devices for automatically controlling movement of work-carrier relative to stitch-forming mechanism in order to obtain particular configuration of seam, e.g. programme-controlled for sewing collars, for attaching pockets

D05B21/00A

- [N: consisting of lateral displacement of the workpieces by a feed-dog or a fluted presser foot]

D05B21/00B

- [N: to obtain spiral seams (fixed or adjustable pin holding the work for spiral stitching D05B35/10D)] [N9707]

D05B21/00C

- [N: to obtain circular or elliptical seams (fixed or adjustable pin holding the work for circular stitching [D05B35/10D](#))] [N9707]

D05B23/00

Sewing apparatus or machines not otherwise provided for (for making zip closures
A44B19/00)

D05B23/00A

- [N: Straw hat sewing machines]

- D05B23/00B . [N: Hat hemming sewing machines]
- D05B23/00C . [N: Sewing machines for straw cases, wisps of straw or canvas shoes]
- D05B23/00D . [N: Sewing machines for ribbing corsets]
- D05B23/00E . [N: Sewing machines specially adapted for binding or uniting carpets] [N0610]
- D05B23/00F . [N: Sewing machines for making cylindrical articles] [N1107]
- D05B23/00M . [N: Sewing units for assembling parts of knitted panties or closing the stocking toe part]
- D05B23/00M2 . . [N: Line closers, i.e. sewing units for forming the body portion of the panty hose]
- D05B23/00M4 . . [N: Toe closers]

D05B25/00 Sewing units consisting of combinations of several sewing machines

Guide heading: **Sewing-machine elements for feeding, positioning, handling, or treating the work**

D05B27/00 Work-feeding means

- D05B27/02 . with feed dogs having horizontal and vertical movements
- D05B27/04 . . arranged above the workpieces
- D05B27/06 . . arranged above and below the workpieces
- D05B27/08 . . with differential feed motions
- D05B27/10 . with rotary circular feed members
- D05B27/12 . . rotating continuously
- D05B27/14 . . rotating discontinuously
- D05B27/16 . . with differential feed motions
- D05B27/18 . . Feed cups
- D05B27/18B . . . [N: Guides or supports for the work presented to the feed cups, e.g. uncurling guides]
- D05B27/20 . constituted by sewing needles
- D05B27/22 . with means for setting length of stitch
- D05B27/24 . Feed-dog lifting and lowering devices
- D05B27/26 . in machines for sewing leather

D05B29/00 Pressers; Presser feet (for feeding [D05B27/04](#))

- D05B29/02 . Presser-control devices
- D05B29/04 . Pressers in machines for sewing leather

D05B29/06	<ul style="list-style-type: none"> Presser feet
D05B29/08	<ul style="list-style-type: none"> <ul style="list-style-type: none"> comprising relatively-movable parts
D05B29/10	<ul style="list-style-type: none"> <ul style="list-style-type: none"> with rollers
D05B29/12	<ul style="list-style-type: none"> Presser-foot attachment
D05B31/00	Workpiece holders or hold-downs in machines for sewing leather
D05B31/02	<ul style="list-style-type: none"> Welt guides
D05B33/00	Devices incorporated in sewing machines for supplying or removing the work
D05B33/00B	<ul style="list-style-type: none"> [N: by equal steps of adjustable length, e.g. for automatically positioning successive buttonhole locations]
D05B33/00C	<ul style="list-style-type: none"> [N: Feeding workpieces separated from piles, e.g. unstacking] [N0304]
D05B33/02	<ul style="list-style-type: none"> and connected, for synchronous operation, with the work-feeding devices of the sewing machine
D05B35/00	Work-feeding or -handling elements not otherwise provided for
D05B35/02	<ul style="list-style-type: none"> for facilitating seaming; Hem-turning elements; Hemmers [N: (D05B35/06B takes precedence)]
D05B35/04	<ul style="list-style-type: none"> <ul style="list-style-type: none"> with movable tools
D05B35/06	<ul style="list-style-type: none"> for attaching bands, ribbons, strips, or tapes or for binding
D05B35/06B	<ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: with hem-turning (D05B35/06D takes precedence)] [C9601]
D05B35/06C	<ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: for attaching slide fasteners (connection of the interlocking member to the stringer tape A44B19/40)]
D05B35/06D	<ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: for attaching small textile pieces, e.g. labels, belt loops] [N9601]
D05B35/06D2	<ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: for attaching belt loops] [N9601]
D05B35/08	<ul style="list-style-type: none"> for ruching, gathering, casing, or filling lace, ribbons, or bindings; Pleating devices; Cuttlers; Gathering feet; Crimpers; Curlers; Rufflers
D05B35/08B	<ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: for making folds transversely to the sewing direction]
D05B35/10	<ul style="list-style-type: none"> Edge guides
D05B35/10B	<ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: Edge guide control systems with edge sensors]
D05B35/10C	<ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: Guiding while stretching the workpiece, e.g. by means of weighted clips]
D05B35/10D	<ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: Fixed or adjustable pin holding the work, e.g. for circular or spiral stitching] [C9707]
D05B35/12	<ul style="list-style-type: none"> Indicators for positioning work, e.g. with graduated scales
D05B37/00	Devices incorporated in sewing machines for slitting, grooving, or cutting (severing sewing-threads D05B65/00)

D05B37/02	. Slitting or grooving devices
D05B37/04	. Cutting devices
D05B37/06	. . with oscillating tools
D05B37/06B	. . . [N: in synchronism with the movement of the needle bar or the work-feeding means] [N9705]
D05B37/06B2 [N: Pinking] [N9705]
D05B37/08	. . with rotatable tools
D05B37/08B	. . . [N: Pinking] [N9705]
D05B37/10	. . with heated tools
D05B39/00	Workpiece carriers (for automatically controlling movement of work-carrier to obtain particular configuration of seam D05B21/00 ; in general A41H15/00)
D05B39/00B	. [N: Quilting frames]
D05B41/00	Work-collecting devices
Guide heading:	<u>Sewing-machine elements for supplying, handling, or treating thread material</u>
D05B43/00	Spool-pin assemblies incorporated in sewing machines
D05B45/00	Applications of measuring devices for determining the length of threads used in sewing machines (measuring devices in embroidery machines D05C , in general G01B)
D05B47/00	Needle-thread tensioning devices; Applications of tensometers
D05B47/02	. Manually-controlled tensioning devices
D05B47/04	. Automatically-controlled tensioning devices
D05B47/06	. Applications of tensometers (application of tension indicators in handling thin or filamentary material B65H59/40 ; for embroidery machines D05C11/08 ; tensometers in general G01L)
D05B49/00	Take-up devices, e.g. levers, for the needle thread
D05B49/02	. operated by cams or linkages
D05B49/04	. rotary
D05B49/06	. for machines for sewing leather
D05B51/00	Applications of needle-thread guards; Thread-break detectors (for embroidery machines D05C11/00)

D05B53/00**Thread- or cord-laying mechanisms; Thread fingers****D05B55/00****Needle holders; Needle bars** ([needles D05B85/00](#))

D05B55/02

- . Devices for fastening needles to needle bars

D05B55/04

- . Devices for inserting needles

D05B55/06

- . Needle guides; Needle protectors ([finger-protecting devices D05B83/00](#))

D05B55/08

- . Driving arrangements for curved needles

D05B55/10

- . Needle bars for multiple-needle sewing machines

D05B55/12

- . . with provision for varying the distance between the needles

D05B55/14

- . Needle-bar drives

D05B55/16

- . . with provision for disengaging individual needle bars

D05B57/00**Loop takers, e.g. loopers**

D05B57/02

- . for chain-stitch sewing machines, e.g. oscillating

D05B57/04

- . . rotary

D05B57/06

- . for overedge-stitch sewing machines

D05B57/08

- . for lock-stitch sewing machines

D05B57/10

- . . Shuttles

D05B57/12

- . . . oscillating

D05B57/14

- . . . with rotary hooks

D05B57/14B

- [N: Vertical axis type] [\[N0705\]](#)

D05B57/14C

- [N: Inclined axis type] [\[N0705\]](#)

D05B57/16

- . . . with bobbin casings guided in tracks

D05B57/18

- . . . with bobbin casings held by removable caps

D05B57/20

- . . . with bobbin casings held by magnetic forces

D05B57/22

- . . with spool-size bobbin for lower thread

D05B57/24

- . . . with lower-thread packages mounted for controlled sliding movements

D05B57/26

- . Bobbin holders or casings; Bobbin holder or case guards; Bobbin discharge devices

D05B57/26B

- . . [N: for looptakers with vertical axis] [\[N0705\]](#)

D05B57/28

- . Applications of bobbins for storing the lower thread

D05B57/30

- . Driving-gear for loop takers

D05B57/32

- . . in chain-stitch sewing machines

D05B57/34

- . . in overedge-stitch sewing machines

D05B57/36	. . in lock-stitch sewing machines
D05B57/38	. . . Shuttle drives
D05B59/00	Applications of bobbin-winding or -changing devices; Indicating or control devices associated therewith
D05B59/02	. Devices for determining or indicating the length of thread still on the bobbin
D05B59/04	. Devices for changing the bobbin
D05B61/00	Loop holders; Loop spreaders; Stitch-forming fingers
D05B63/00	Devices associated with the loop-taker thread, e.g. for tensioning
D05B63/02	. Loop-taker thread take-up levers
D05B63/04	. Loop-taker thread guards
D05B65/00	Devices for severing the needle or lower thread
D05B65/00B	. [N: the thread being engaged manually against the cutting edge of a fixedly arranged knife]
D05B65/00H	. [N: with heated tools]
D05B65/02	. controlled by the sewing mechanisms [N: (D05B65/00H takes precedence)]
D05B65/04	. controlled by the workpieces [N: (D05B65/00H takes precedence)]
D05B65/06	. and for disposing of the severed thread end; [N: Catching or wiping devices for the severed thread] [C0201]
D05B67/00	Devices incorporated in sewing machines for lubricating, waxing, or colouring the threads
Guide heading:	<u>Driving-gear, control, lubricating, or cooling devices for sewing machines</u>
D05B69/00	Driving-gear; Control devices
D05B69/02	. Mechanical drives
D05B69/04	. . Manual drives
D05B69/06	. . Pedal drives
D05B69/08	. Fluid drives, e.g. pneumatic
D05B69/10	. Electrical or electromagnetic drives

- D05B69/12 . . . using rotary electric motors
- D05B69/12B [N: Arrangement of clutch-brake construction]
- D05B69/14 . Devices for changing speed or for reversing direction of rotation
- D05B69/16 . . . mechanical
- D05B69/18 . . . electric [N: e.g. foot pedals]
- D05B69/20 . Control devices responsive to the number of stitches made
- D05B69/22 . Devices for stopping drive when sewing tools have reached a predetermined position
(electric motor control systems in general [H02P](#))
- D05B69/24 . . Applications of devices for indicating or ascertaining sewing-tool position
- D05B69/26 . . with automatic means to reduce speed of drive, e.g. in one or more steps
- D05B69/28 . Applications of servo devices for tool-positioning purposes
- D05B69/30 . Details (work-feeding drives [D05B27/00](#); needle-bar drives [D05B55/14](#); loop-taker
drives [D05B57/30](#))
- D05B69/32 . . Vibration-minimising devices
- D05B69/34 . . Hand-wheel clutches
- D05B69/36 . Devices for stopping drive when abnormal conditions occur, e.g. thread breakage

D05B71/00 Lubricating or cooling devices

- D05B71/02 . Loop-taker lubricating devices
- D05B71/04 . Needle cooling devices

Guide heading: **Casings, supports, covers, or accessories for sewing machines; Sewing machines combined with auxiliary devices serving purposes other than sewing**

D05B73/00 Casings

- D05B73/00A . [N: Doors or covers for accessing inner parts of the machine; Security devices
therefor] [N0304]
- D05B73/02 . Upper casings
- D05B73/04 . Lower casings
- D05B73/06 . . for free-arm sewing machines
- D05B73/08 . . for column-type sewing machines
- D05B73/10 . . Devices for converting free-arm sewing machines into flat-bed machines
- D05B73/12 . . Slides; Needle plates

D05B75/00 Frames, stands, tables, or other furniture adapted to carry sewing machines (furniture aspects [A47B](#), [A47C](#))

D05B75/02	. for drop-head sewing machines
D05B75/04	. with noise-suppressing devices
D05B75/06	. Arrangements, e.g. hinges, for mounting sewing-machine casings to frames, stands, or tables
D05B77/00	Covers, or portable enclosures, for sewing machines
D05B79/00	Incorporations or adaptations of lighting equipment
D05B81/00	Sewing machines incorporating devices serving purposes other than sewing, e.g. for blowing air, for grinding
D05B83/00	Guards or like devices for preventing injury to operator (machine safety devices in general F16P)
Guide heading:	<u>Needles; Needle threaders; Seam-ripping devices</u>
D05B85/00	Needles (surgical needles A61B17/06; manufacture of needles B21G1/00)
D05B85/00B	. [N: with two tips and an eye in the middle] [N0304]
D05B85/00C	. [N: Hooked needles] [N0304]
D05B85/02	. with slotted eyes, [N: i.e. with a slit leading to the eye for thread insertion] [C0207]
D05B85/04	. Spring or bearded needles
D05B85/06	. Curved needles
D05B85/08	. Flexible needles
D05B85/10	. Hollow needles
D05B85/12	. Coated needles
D05B85/14	. Latch needles
D05B87/00	Needle- [N: or looper-]threading devices
D05B87/02	. with mechanical means for moving thread through needle [N: or looper] eye
D05B87/04	. with optical devices to assist threading
D05B89/00	Seam-ripping devices

Guide heading: Hand sewing

D05B91/00 **Tools, implements, or accessories for hand sewing** (needles, needle threaders [D05B85/00](#), [D05B87/00](#); appliances for the tailoring trade [A41H](#))

- D05B91/02 . Bodkins
- D05B91/04 . Thimbles; Finger shields; Palm protectors
- D05B91/06 . Work holders or supports
- D05B91/08 . . Mushrooms; Darning eggs
- D05B91/10 . . Hoops or frames ([for embroidery D05C](#))
- D05B91/12 . Tool receptacles
- D05B91/14 . Thread-spool pins
- D05B91/16 . Thread-spool receptacles

D05B93/00 **Stitches; Stitch seams**

- D05B93/02 . strengthened by auxiliary elements, e.g. rivets, staples

D05B95/00 **Preparatory or finishing operations in connection with hand sewing**

- D05B95/04 . Softening material prior to sewing
- D05B95/06 . Flattening, pounding, or pressing stitched seams ([in shoemaking A43D8/44](#))

D05B97/00 **Hand sewing processes or apparatus for special work or not otherwise provided for**

- D05B97/02 . Hand-guided apparatus
- D05B97/04 . for darning
- D05B97/06 . . using apparatus with latch or bearded needles
- D05B97/08 . using special threads or wires
- D05B97/10 . for attaching buttons or fasteners
- D05B97/12 . for attaching patches or like small pieces of fabric