

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 . Presser feet
- D05B29/08 . . comprising relatively-movable parts
- D05B29/10 . . with rollers
- D05B29/12 . Presser-foot attachment

- D05B31/00** **Workpiece holders or hold-downs in machines for sewing leather**
- D05B31/02 . Welt guides

- D05B33/00** **Devices incorporated in sewing machines for supplying or removing the work**
- D05B33/00B . [N: by equal steps of adjustable length, e.g. for automatically positioning successive buttonhole locations]
- D05B33/00C . [N: Feeding workpieces separated from piles, e.g. unstacking] [N0304]
- D05B33/02 . 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 . for facilitating seaming; Hem-turning elements; Hemmers [N: ([D05B35/06B](#) takes precedence)]
- D05B35/04 . . with movable tools
- D05B35/06 . for attaching bands, ribbons, strips, or tapes or for binding
- D05B35/06B . . [N: with hem-turning ([D05B35/06D](#) takes precedence)] [C9601]
- D05B35/06C . . [N: for attaching slide fasteners (connection of the interlocking member to the stringer tape [A44B19/40](#))]
- D05B35/06D . . [N: for attaching small textile pieces, e.g. labels, belt loops] [N9601]
- D05B35/06D2 . . . [N: for attaching belt loops] [N9601]
- D05B35/08 . for ruching, gathering, casing, or filling lace, ribbons, or bindings; Pleating devices; Cuttlers; Gathering feet; Crimpers; Curlers; Rufflers
- D05B35/08B . . [N: for making folds transversely to the sewing direction]
- D05B35/10 . Edge guides
- D05B35/10B . . [N: Edge guide control systems with edge sensors]
- D05B35/10C . . [N: Guiding while stretching the workpiece, e.g. by means of weighted clips]
- D05B35/10D . . [N: Fixed or adjustable pin holding the work, e.g. for circular or spiral stitching] [C9707]
- D05B35/12 . 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:** **Sewing-machine elements for supplying, handling, or treating thread material**

- 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](#))

- 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: Driving-gear, control, lubricating, or cooling devices for sewing machines**

- 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: Needles; Needle threaders; Seam-ripping devices**
- 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 receptables

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