

ECLA EUROPEAN CLASSIFICATION

B25C HAND-HELD NAILING OR STAPLING TOOLS; MANUALLY OPERATED PORTABLE STAPLING TOOLS (for shoemaking A43D)

Note

For the purposes of this subclass, the term "nail" is to be understood as including pin, bolt, and plug

B25C1/00 Hand-held nailing tools (hammers per se [B25D](#); nailing machines [B27F7/02](#)); Nail feeding devices

- B25C1/00B . [N: Nail feeding devices ([B25C1/18B2](#) takes precedence)]
- B25C1/00B2 . . [N: for belts of nails]
- B25C1/00B3 . . [N: for rows of contiguous nails]
- B25C1/00B4 . . [N: for corrugated nails and marking tags]
- B25C1/00D . [N: Safety devices]
- B25C1/02 . operated by manual power [C0901]
- B25C1/04 . operated by fluid pressure, [N: e.g. by air pressure] [C0901]
- B25C1/04B . . [N: with fixed main cylinder]
- B25C1/04B2 . . . [N: Main valve and main cylinder]
- B25C1/04B3 . . . [N: Trigger valve and trigger mechanism]
- B25C1/04C . . [N: with movable main cylinder]
- B25C1/04C2 . . . [N: main valve and main cylinder]
- B25C1/04C3 . . . [N: Trigger valve and trigger mechanism]
- B25C1/04D . . [N: Mechanical details]
- B25C1/04H . . [N: Hydraulically operated] [N0901]
- B25C1/06 . operated by electric power
- B25C1/08 . operated by combustion pressure
- B25C1/08B . . [N: generated by detonation of a pellet]
- B25C1/08B2 . . . [N: trigger operated]
- B25C1/08B3 . . . [N: operated by a hammer blow]
- B25C1/10 . . generated by detonation of a cartridge
- B25C1/10B . . . [N: Cartridge ejecting mechanisms and latch mechanisms]
- B25C1/12 . . . acting directly on the bolt
- B25C1/12B [N: trigger operated]
- B25C1/12C [N: operated by a hammer blow]
- B25C1/14 . . . acting on an intermediate plunger or anvil (pistols for slaughtering or stunning animals [A22B3/02](#))
- B25C1/14B [N: trigger operated]

- B25C1/14C [N: operated by a hammer blow]
- B25C1/16 . . . Cartridges specially adapted for impact tools; Cartridge and bolts units ([bolts per se F16B19/14](#))
- B25C1/16B [N: Cartridges]
- B25C1/16C [N: Pellets]
- B25C1/18 . . . Details and accessories, e.g. splinter guards, spall minimisers
- B25C1/18B [N: Feeding devices]
- B25C1/18B2 [N: for nails]
- B25C1/18B3 [N: for cartridges or pellets]
- B25C1/18C [N: Arrangements at the forward end of the barrel, e.g. splinter guards, spall minimisers, safety arrangements, silencers, bolt retainers]

B25C3/00 **Portable devices for holding and guiding nails; Nail dispensers**

- B25C3/00B . . [N: nail dispensers with provision for holding and guiding nails]
- B25C3/00B2 . . . [N: the nail being hit by a hammer head]
- B25C3/00C . . [N: only for holding and guiding]
- B25C3/00C2 . . . [N: the nail being hit by a hammer head]

B25C5/00 **Manually operated portable stapling tools; Hand-held power-operated stapling tools** ([N: clip clamping hand tools [B25B7/14C](#);) details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed [B25F5/00](#); stapling machines [B27F7/17](#)); **Staple feeding devices therefor** (staples [F16B15/00](#))

[N: Note

In this group the following term is used with the meaning indicated: -"stapling tools" covers tools for driving U-shaped loops, e.g. of metallic material, into a surface to fix an object thereto, or through layers of relatively thin material to hold them together, e.g. by clinching
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- B25C5/02 . . with provision for bending the ends of the staples on to the work
- B25C5/02D . . . [N: Particular clinching mechanisms ([B25C5/02F4B2](#) takes precedence)]
- B25C5/02E . . . [N: Combined stapling and punching tools]
- B25C5/02F . . . [N: Stapling tools of the table model type, i.e. tools supported by a table or the work during operation]
- B25C5/02F1 [N: power-operated]
- B25C5/02F2 [N: manually operated having a plunger cooperating with an anvil ([B25C5/02F3B](#) takes precedence)]
- B25C5/02F3 [N: having a pivoting upper leg and a leg provided with an anvil supported by the table or work]
- B25C5/02F3B [N: the plunger being manually operated]
- B25C5/02F4 [N: without an anvil, e.g. using staples of particular shape bent during the stapling operation without the use of external clinching means]
- B25C5/02F4B [N: having pivoting clinching means for bending the staple ends]
- B25C5/02F4B2 [N: Clinching means therefor]

- B25C5/02F5 . . . [N: having staple forming means]
- B25C5/02G . . [N: Hand-held stapling tools, e.g. manually operated, i.e. not resting on a working surface during operation]
- B25C5/02G2 . . . [N: with the objects to be stapled together introduced perpendicularly to the longitudinal axis of the tool in an opening formed by an anvil and a plunger]
- B25C5/04 . . with means for forming the staples in the tool
- B25C5/04B . . . [N: starting from performed staples]
- B25C5/06 . without provision for bending the ends of the staples on to the work
- B25C5/08 . . with means for forming the staples in the tool
- B25C5/08B . . . [N: starting from performed staples]
- B25C5/10 . Driving means
- B25C5/11 . . operated by manual [N: or foot] power
- B25C5/13 . . operated by fluid pressure
- B25C5/15 . . operated by electric power
- B25C5/16 . Staple-feeding devices [N: e.g. with feeding means, supports for staples or accessories concerning feeding devices]
- B25C5/16B . . [N: for tools with provision for bending the ends of the staples or to the work]
- B25C5/16C . . [N: Feeding means]
- B25C5/16C1 . . . [N: employing a spring-loaded puller]
- B25C5/16C1B [N: with means for holding puller out of position during re-loading]
- B25C5/16C2 . . . [N: employing a spring-loaded pusher]
- B25C5/16C2B [N: with means for holding pusher out of position during re-loading]
- B25C5/16C3 . . . [N: employing mechanical feeding means ([B25C5/16C1](#),[B25C5/16C2](#)take precedence)]
- B25C5/16C3B [N: of incremental type]
- B25C5/16C3C [N: for feeding a chosen number of staples to the drive channel]
- B25C5/16C4 . . . [N: employing gravity feed]
- B25C5/16D . . [N: Supports for the staples being fed]
- B25C5/16D1 . . . [N: allowing the feeding of a variety of elements]
- B25C5/16D1B [N: of different shapes]
- B25C5/16D1B1 [N: by use or interchangeable supports]
- B25C5/16D1B2 [N: of T-shaped staples or nails]
- B25C5/16D1B2B [N: by use of interchangeable supports]
- B25C5/16D1C [N: of different sizes of staples]
- B25C5/16D1C1 [N: by use of interchangeable supports]
- B25C5/16E . . [N: with means for preventing jamming or aiding unjamming within the drive channel]
- B25C5/16E1 . . . [N: preventing jamming by retaining the next staple]
- B25C5/16E1B [N: for multiple-stroke driving]
- B25C5/16E2 . . . [N: unjamming by movement of the feeding device]
- B25C5/16F . . [N: comprising storing arrangements for a plurality of staple strips]
- B25C5/16F1 . . . [N: on a rotating carousel]

- B25C5/16G . . [N: using pre-loaded cassettes]
- B25C5/16H . . [N: with means for indicating the number of staples remaining]
- B25C5/16J . . [N: co-ordinating with the feed of a second item]
- B25C5/16K . . [N: Staple support displaceable relative to the tool to allow re-loading]

B25C7/00 **Accessories for nailing or stapling tools, e.g. supports** (for tools operated by detonation of a cartridge [B25C1/18](#))

B25C9/00 **Nail punches**

B25C11/00 **Nail, spike, and staple extractors** (incorporated in hammers [B25D1/00](#))

- B25C11/02 . Pincers (joints therefor [B25B7/06](#))

B25C13/00 **Nail straightening devices**