

Symbol	Typ	Titel
B	Sektion	SECTION B — PERFORMING OPERATIONS; TRANSPORTING
B25	Klasse	HAND TOOLS; PORTABLE POWER-DRIVEN TOOLS; HANDLES FOR HAND IMPLEMENTS; WORKSHOP EQUIPMENT; MANIPULATORS
B25B	Unterklasse	TOOLS OR BENCH DEVICES NOT OTHERWISE PROVIDED FOR, FOR FASTENING, CONNECTING, DISENGAGING, OR HOLDING
B25B 1/00	Hauptgruppe	Vices (specially adapted for tying flies for angling A01K 97/28; specially adapted for machine tools B23Q 3/00) [5]
B25B 1/02	1-Punkt Untergruppe	. with sliding jaws
B25B 1/04	1-Punkt Untergruppe	. with pivoted jaws
B25B 1/06	1-Punkt Untergruppe	. Arrangements for positively actuating jaws
B25B 1/08	2-Punkt Untergruppe	. . using cams
B25B 1/10	2-Punkt Untergruppe	. . using screws
B25B 1/12	3-Punkt Untergruppe	. . . with provision for disengagement
B25B 1/14	2-Punkt Untergruppe	. . using toggle links
B25B 1/16	2-Punkt Untergruppe	. . by pedal, with or without provision for additional manual actuation
B25B 1/18	2-Punkt Untergruppe	. . motor driven, e.g. with fluid drive, with or without provision for manual actuation
B25B 1/20	1-Punkt Untergruppe	. Vices for clamping work of special profile, e.g. pipes
B25B 1/22	1-Punkt Untergruppe	. Arrangements for turning or tilting vices
B25B 1/24	1-Punkt Untergruppe	. Details, e.g. jaws of special shape, slideways
B25B 3/00	Hauptgruppe	Hand vices, i.e. vices intended to be held by hand; Pin vices
B25B 5/00	Hauptgruppe	Clamps (for holding or positioning work for welding, soldering, or cutting by applying heat locally B23K 37/04; work-clamping means for mounting on a work-table, tool-slide, or analogous parts B23Q 3/06)
B25B 5/02	1-Punkt Untergruppe	. with sliding jaws
B25B 5/04	1-Punkt Untergruppe	. with pivoted jaws
B25B 5/06	1-Punkt Untergruppe	. Arrangements for positively actuating jaws
B25B 5/08	2-Punkt Untergruppe	. . using cams
B25B 5/10	2-Punkt Untergruppe	. . using screws
B25B 5/12	2-Punkt Untergruppe	. . using toggle links
B25B 5/14	1-Punkt Untergruppe	. Clamps for work of special profile
B25B 5/16	1-Punkt Untergruppe	. Details, e.g. jaws, jaw attachments
B25B 7/00	Hauptgruppe	Pliers; Other hand-held gripping tools with jaws on pivoted limbs; Details applicable generally to pivoted-limb hand tools (implements for fastening, connecting, or tensioning wire or strip B25B 25/00; adapted for other fitting or separating purposes B25B 27/00; for marking animals A01K 11/00; dentists' forceps A61C 3/00; bending wire eyes B21F 1/06; hand-held metal-shearing or metal-cutting devices B23D 29/00; hand cutting tools B26B; for punching or perforating B26F 1/36; devices for securing ends of binding material in bundling machines B65B 13/24; specially designed for watch-making or comparable work G04D 1/00)

Symbol	Typ	Titel
B25B 7/02	1-Punkt Untergruppe	. Jaws
B25B 7/04	2-Punkt Untergruppe	. . adjustable
B25B 7/06	1-Punkt Untergruppe	. Joints
B25B 7/08	2-Punkt Untergruppe	. . with fixed fulcrum
B25B 7/10	2-Punkt Untergruppe	. . with adjustable fulcrum
B25B 7/12	1-Punkt Untergruppe	. involving special transmission means between the handles and the jaws, e.g. toggle levers, gears
B25B 7/14	1-Punkt Untergruppe	. Locking means
B25B 7/16	2-Punkt Untergruppe	. . combined with means for tightening the operating arms or jaws
B25B 7/18	1-Punkt Untergruppe	. Adjusting means for the operating arms
B25B 7/20	1-Punkt Untergruppe	. Pliers for sealing
B25B 7/22	1-Punkt Untergruppe	. Pliers provided with auxiliary tool elements, e.g. cutting edges, nail extractors (for removing insulation or armouring from electric cables H02G 1/12)
B25B 9/00	Hauptgruppe	Hand-held gripping tools other than those covered by group B25B 7/00 (wrenches B25B 13/00; specially adapted for watchmakers' or like use G04D)
B25B 9/02	1-Punkt Untergruppe	. without sliding or pivotal connections, e.g. tweezers, one-piece tongs
B25B 9/04	1-Punkt Untergruppe	. with sliding jaws
B25B 11/00	Hauptgruppe	Work holders or positioners not covered by groups B25B 1/00-B25B 9/00, e.g. magnetic work holders, vacuum work holders (for holding or positioning work for welding, soldering, or cutting by applying heat locally B23K 37/04; specially adapted to machine tools B23Q 3/00)
B25B 11/02	1-Punkt Untergruppe	. Assembly jigs
B25B 13/00	Hauptgruppe	Spanners; Wrenches (hand-driven gear-operated B25B 17/00; impact wrenches B25B 19/00; portable power-driven B25B 21/00; machines for fitting together or separating metal parts B23P 19/00)
B25B 13/02	1-Punkt Untergruppe	. with rigid jaws (B25B 13/46, B25B 13/48 take precedence)
B25B 13/04	2-Punkt Untergruppe	. . of ring jaw type
B25B 13/06	2-Punkt Untergruppe	. . of socket type
B25B 13/08	2-Punkt Untergruppe	. . of open jaw type
B25B 13/10	1-Punkt Untergruppe	. with adjustable jaws (B25B 13/46, B25B 13/48 take precedence)
B25B 13/12	2-Punkt Untergruppe	. . the jaws being slidable
B25B 13/14	3-Punkt Untergruppe	. . . by rack and pinion, worm or gear
B25B 13/16	3-Punkt Untergruppe	. . . by screw or nut
B25B 13/18	3-Punkt Untergruppe	. . . by cam, wedge, or lever
B25B 13/20	3-Punkt Untergruppe	. . . Arrangements for locking the jaws
B25B 13/22	4-Punkt Untergruppe	 by ratchet action or toothed bars
B25B 13/24	4-Punkt Untergruppe	 by cam, wedge, or friction means
B25B 13/26	4-Punkt Untergruppe	 by toggle links

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B25B 13/28	2-Punkt Untergruppe	. . the jaws being pivotally movable
B25B 13/30	3-Punkt Untergruppe	. . . by screw or nut
B25B 13/32	3-Punkt Untergruppe	. . . by cam, wedge, or lever
B25B 13/34	3-Punkt Untergruppe	. . . Arrangements for locking the jaws
B25B 13/36	4-Punkt Untergruppe	 by ratchet action
B25B 13/38	4-Punkt Untergruppe	 by cam, wedge, or friction means
B25B 13/40	4-Punkt Untergruppe	 by toggle links
B25B 13/42	4-Punkt Untergruppe	 with self-locking action
B25B 13/44	1-Punkt Untergruppe	. of the chuck type
B25B 13/46	1-Punkt Untergruppe	. of the ratchet type, for providing a free return stroke of the handle
B25B 13/48	1-Punkt Untergruppe	. for special purposes
B25B 13/50	2-Punkt Untergruppe	. . for operating on work of special profile, e.g. pipes
B25B 13/52	3-Punkt Untergruppe	. . . Chain or strap wrenches
B25B 13/54	3-Punkt Untergruppe	. . . Internal grip wrenches
B25B 13/56	1-Punkt Untergruppe	. Spanner sets
B25B 13/58	1-Punkt Untergruppe	. Jaw attachments
B25B 15/00	Hauptgruppe	Screwdrivers (hand-driven gear-operated B25B 17/00; impact screwdrivers B25B 19/00; portable power-driven B25B 21/00)
B25B 15/02	1-Punkt Untergruppe	. operated by rotating the handle
B25B 15/04	2-Punkt Untergruppe	. . with ratchet action
B25B 15/06	1-Punkt Untergruppe	. operated by axial movement of the handle
B25B 17/00	Hauptgruppe	Hand-driven gear-operated wrenches or screwdrivers (ratchet operated B25B 13/46, B25B 15/04)
B25B 17/02	1-Punkt Untergruppe	. providing for torque amplification
B25B 19/00	Hauptgruppe	Impact wrenches or screwdrivers (portable power-driven B25B 21/02)
B25B 21/00	Hauptgruppe	Portable power-driven screw or nut setting or loosening tools (details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed B25F 5/00); Attachments for drilling apparatus serving the same purpose (machines B23P 19/06) [4]
B25B 21/02	1-Punkt Untergruppe	. with means for imparting impact to screwdriver blade or nut socket
B25B 23/00	Hauptgruppe	Details of, or accessories for, spanners, wrenches, screwdrivers (bolt tensioners B25B 29/02)
B25B 23/02	1-Punkt Untergruppe	. Arrangements for handling screws or nuts
B25B 23/04	2-Punkt Untergruppe	. . for feeding screws or nuts
B25B 23/06	3-Punkt Untergruppe	. . . using built-in magazine
B25B 23/08	2-Punkt Untergruppe	. . for holding or positioning screw or nut prior to or during its rotation
B25B 23/10	3-Punkt Untergruppe	. . . using mechanical gripping means
B25B 23/12	3-Punkt Untergruppe	. . . using magnetic means

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B25B 23/14	1-Punkt Untergruppe	. Arrangement of torque limiters or torque indicators in wrenches or screwdrivers (couplings for transmitting rotation or clutches F16D; devices for measuring torque <u>per se</u> G01L)
B25B 23/142	2-Punkt Untergruppe	. . specially adapted for hand operated wrenches or screwdrivers [2]
B25B 23/143	3-Punkt Untergruppe	. . . wherein the work-contacting component pivots or rotates relative to the handle when a selected torque is exceeded [4]
B25B 23/144	4-Punkt Untergruppe	 having an electrical device activated by the pivotal or rotational movement which emits a signal when the selected torque is exceeded [4]
B25B 23/145	2-Punkt Untergruppe	. . specially adapted for fluid operated wrenches or screwdrivers [2]
B25B 23/147	2-Punkt Untergruppe	. . specially adapted for electrically operated wrenches or screwdrivers [2]
B25B 23/15	2-Punkt Untergruppe	. . having a mechanism to mark the work when the selected torque is applied to the work [4]
B25B 23/151	2-Punkt Untergruppe	. . the motor drive having condition-responsive means to regulate the power output of a motor driving the work-contacting component (control in general G05; controlling electric motors H02P) [4]
B25B 23/153	2-Punkt Untergruppe	. . having a force-transmitting element which is permanently deformed upon application of an excessive amount of torque [4]
B25B 23/155	2-Punkt Untergruppe	. . wherein the work-contacting means is released from torque-transmitting engagement with the work, when a selected torque is exceeded (B25B 23/153 takes precedence) [4]
B25B 23/157	2-Punkt Untergruppe	. . having torque controlled clutch-type arrangements (B25B 23/143 takes precedence) [4]
B25B 23/159	2-Punkt Untergruppe	. . the work-contacting component comprising or being connected to a resilient structural member, which remains rigid and fully force transmitting until a selected torque is exceeded or which signals excessive torque (B25B 23/153 takes precedence) [4]
B25B 23/16	1-Punkt Untergruppe	. Handles (in general B25G)
B25B 23/18	1-Punkt Untergruppe	. Devices for illuminating the head of the screw or the nut
B25B 25/00	Hauptgruppe	Implements for fastening, connecting, or tensioning of wire or strip (bundling articles B65B 13/00)
B25B 27/00	Hauptgruppe	Hand tools or bench devices, specially adapted for fitting together or separating parts or objects whether or not involving some deformation, not otherwise provided for (machines for simply fitting together or separating metal parts or objects B23P 19/00)
B25B 27/02	1-Punkt Untergruppe	. for connecting objects by press fit or detaching same
B25B 27/04	2-Punkt Untergruppe	. . inserting or withdrawing keys
B25B 27/06	2-Punkt Untergruppe	. . inserting or withdrawing sleeves or bearing races
B25B 27/067	3-Punkt Untergruppe	. . . employing wedging or impacting means [3]
B25B 27/073	3-Punkt Untergruppe	. . . employing screw and nut means [3]
B25B 27/08	2-Punkt Untergruppe	. . inserting or withdrawing cotter pins
B25B 27/10	2-Punkt Untergruppe	. . inserting fittings into hoses
B25B 27/12	2-Punkt Untergruppe	. . mounting or demounting piston rings
B25B 27/14	1-Punkt Untergruppe	. for assembling objects other than by press fit or detaching same
B25B 27/16	2-Punkt Untergruppe	. . abutted flanges
B25B 27/18	2-Punkt Untergruppe	. . withdrawing broken threaded parts or twist drills

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B25B 27/20	2-Punkt Untergruppe	. . inserting or withdrawing split pins or circlips
B25B 27/22	2-Punkt Untergruppe	. . positioning sprocket chains, endless tracks, antiskid chains (tools or implements for repairing chains using metal-working operations B21L 21/00)
B25B 27/24	2-Punkt Untergruppe	. . mounting or demounting valves (for tyre valves B60C 25/18)
B25B 27/26	3-Punkt Untergruppe	. . . compressing the springs
B25B 27/28	2-Punkt Untergruppe	. . positioning or withdrawing resilient bushings or the like [3]
B25B 27/30	2-Punkt Untergruppe	. . positioning or withdrawing springs, e.g. coil or leaf springs (B25B 27/26 takes precedence; watchmakers' or watch-repairers' tools G04D) [3]
B25B 28/00	Hauptgruppe	Portable power-driven joining or separation tools (B25B 21/00 takes precedence) [3]
B25B 29/00	Hauptgruppe	Accessories (specially for spanners, wrenches, screwdrivers B25B 23/00; tool boxes, tool positioning stands B25H)
B25B 29/02	1-Punkt Untergruppe	. Bolt tensioners
B25B 31/00	Hauptgruppe	Hand tools for applying fasteners (nailing or stapling tools B25C) [3]
B25B 33/00	Hauptgruppe	Hand tools not covered by any other group in this subclass [3]