

**CPC****COOPERATIVE PATENT CLASSIFICATION****B25B****TOOLS OR BENCH DEVICES NOT OTHERWISE PROVIDED FOR, FOR FASTENING, CONNECTING, DISENGAGING OR HOLDING****NOTE**

This subclass is to be understood as covering those hand tools for fastening, connecting, disengaging, or holding which are not provided for in another subclass such as [B25C](#) (nailing or stapling tools) or in an application class such as [B65B](#) (packaging) or [B21F](#) (working of wire)

**WARNING**

The following IPC groups are not used in the CPC scheme. Subject matter covered by these groups is classified in the following CPC groups:

<a href="#">B25B 23/143</a>	covered by	<a href="#">B25B 23/1422</a>
<a href="#">B25B 23/144</a>	covered by	<a href="#">B25B 23/1425</a>
<a href="#">B25B 23/151</a>	covered by	<a href="#">B25B 23/14</a> , <a href="#">B25B 23/147</a>
<a href="#">B25B 23/153</a>	covered by	<a href="#">B25B 23/1415</a>
<a href="#">B25B 23/155</a>	covered by	<a href="#">B25B 23/141</a>
<a href="#">B25B 23/157</a>	covered by	<a href="#">B25B 23/14</a>
<a href="#">B25B 23/159</a>	covered by	<a href="#">B25B 23/14</a>
<a href="#">B25B 27/067</a>	covered by	<a href="#">B25B 27/06</a>
<a href="#">B25B 27/073</a>	covered by	<a href="#">B25B 27/062</a>

**B25B 1/00**

**Vices** (specially adapted for tying flies for angling [A01K 97/28](#); specially adapted for machine tools [B23Q 3/00](#); {rope or cable splicing vices [D07B 7/162](#)})

- [B25B 1/02](#)
  - with sliding jaws
- [B25B 1/04](#)
  - with pivoted jaws
- [B25B 1/06](#)
  - Arrangements for positively actuating jaws
- [B25B 1/08](#)
  - . using cams
- [B25B 1/10](#)
  - . using screws
- [B25B 1/103](#)
  - . . {with one screw perpendicular to the jaw faces, e.g. a differential or telescopic screw}
- [B25B 1/106](#)
  - . . {with mechanical or hydraulic power amplifiers}
- [B25B 1/12](#)
  - . . with provision for disengagement
- [B25B 1/125](#)
  - . . . {with one screw perpendicular to the jaw faces}
- [B25B 1/14](#)
  - . using toggle links
- [B25B 1/16](#)
  - . by pedal, with or without provision for additional manual actuation
- [B25B 1/18](#)
  - . motor driven, e.g. with fluid drive, with or without provision for manual actuation
- [B25B 1/20](#)
  - Vices for clamping work of special profile, e.g. pipes
- [B25B 1/205](#)
  - . {Vices of the chain or strip type}
- [B25B 1/22](#)
  - Arrangements for turning or tilting vices

- B25B 1/24 . Details, e.g. jaws of special shape, slideways
- B25B 1/2405 . . {Construction of the jaws}
- B25B 1/241 . . . {characterised by surface features or material}
- B25B 1/2415 . . . . {being composed of a plurality of parts adapting to the shape of the workpiece}
- B25B 1/2421 . . . . . {the parts having a linear movement}
- B25B 1/2426 . . . . . {the parts having a pivotal movement}
- B25B 1/2431 . . . {the whole jaw being pivotable around an axis perpendicular to the actioning direction of the vice}
- B25B 1/2436 . . . . {around a vertical axis (B25B 1/2447 takes precedence)}
- B25B 1/2442 . . . . {around a horizontal axis (B25B 1/2447 takes precedence)}
- B25B 1/2447 . . . . {to put one of the jaw faces in a position opposite to the second jaw}
- B25B 1/2452 . . . {with supplementary jaws}
- B25B 1/2457 . . . {with auxiliary attachments}
- B25B 1/2463 . . . . {Supports for the workpiece}
- B25B 1/2468 . . . . {Lateral positioning arms}
- B25B 1/2473 . . . {with pull-down action on the workpiece}
- B25B 1/2478 . . . {with more than one pair of jaws}
- B25B 1/2484 . . {Supports}
- B25B 1/2489 . . {Slideways}
- B25B 1/2494 . . {Means indicating the distance between jaws or their angular position}

**B25B 3/00****Hand vices, i.e. vices intended to be held by hand; Pin vices****B25B 5/00****Clamps** (for holding or positioning work for welding, soldering, or cutting by applying heat locally B23K 37/04)

- B25B 5/003 . {Combinations of clamps}
- B25B 5/006 . {Supporting devices for clamps}
- B25B 5/02 . with sliding jaws
- B25B 5/04 . with pivoted jaws
- B25B 5/06 . Arrangements for positively actuating jaws
- B25B 5/061 . . {with fluid drive (B25B 5/087, B25B 5/122 take precedence)}
- B25B 5/062 . . . {with clamping means pivoting around an axis parallel to the pressing direction}
- B25B 5/064 . . . {with clamping means pivoting around an axis perpendicular to the pressing direction (B25B 5/122 takes precedence)}
- B25B 5/065 . . . {involving the use of flexible pressure bags or diaphragms}
- B25B 5/067 . . {C-clamps (B25B 5/061, B25B 5/082, B25B 5/101, B25B 5/125 take precedence)}
- B25B 5/068 . . {with at least one jaw sliding along a bar (B25B 5/061, B25B 5/085, B25B 5/102, B25B 5/127 take precedence)}
- B25B 5/08 . . using cams
- B25B 5/082 . . . {C-clamps}

- B25B 5/085 . . . {with at least one jaw sliding along a bar}
- B25B 5/087 . . . {actuated by a hydraulic or pneumatic piston}
- B25B 5/10 . . using screws
- B25B 5/101 . . . {C-clamps}
- B25B 5/102 . . . {with at least one jaw sliding along a bar}
- B25B 5/103 . . . {with a hinge}
- B25B 5/104 . . . {with one screw and one clamping lever and one fulcrum element}
- B25B 5/105 . . . . {with one end of the lever resting on a table and the screw being positioned between the ends of the lever}
- B25B 5/106 . . . . {with one end of the lever resting on an additional block and the screw being positioned between the ends of the lever}
- B25B 5/107 . . . . . {Blocks therefor}
- B25B 5/108 . . . . {the screw contacting one of the ends of the lever}
- B25B 5/109 . . . {with two screws, e.g. parallel screw clamps}
- B25B 5/12 . . using toggle links
- B25B 5/122 . . . {with fluid drive}
- B25B 5/125 . . . {C-clamps}
- B25B 5/127 . . . {with at least one jaw sliding along a bar}
- B25B 5/14 . . Clamps for work of special profile {(using chains or strips [B25B 1/205](#))}
- B25B 5/142 . . {for windows and frames}
- B25B 5/145 . . {for plates}
- B25B 5/147 . . {for pipes}
- B25B 5/16 . . Details, e.g. jaws, jaw attachments
- B25B 5/163 . . {Jaws or jaw attachments}
- B25B 5/166 . . {Slideways; Guiding and/or blocking means for jaws thereon}

**B25B 7/00** **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](#))

- B25B 7/02 . . Jaws
- B25B 7/04 . . adjustable
- B25B 7/06 . . Joints
- B25B 7/08 . . with fixed fulcrum
- B25B 7/10 . . with adjustable fulcrum
- B25B 7/12 . . involving special transmission means between the handles and the jaws, e.g. toggle levers, gears
- B25B 7/123 . . {with self-locking toggle levers}

- B25B 7/126
  - . . {with fluid drive}
- B25B 7/14
  - . Locking means {(B25B 7/123 takes precedence)}
- B25B 7/16
  - . . combined with means for tightening the operating arms of jaws
- B25B 7/18
  - . Adjusting means for the operating arms
- B25B 7/20
  - . Pliers for sealing
- B25B 7/22
  - . 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**

**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
  - . without sliding or pivotal connections, e.g. tweezers, onepiece tongs
- B25B 9/04
  - . with sliding jaws
  
- B25B 11/00**

**Work holders not covered by any preceding group in the subclass, 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 11/002
  - . {Magnetic work holders}
- B25B 11/005
  - . {Vacuum work holders}
- B25B 11/007
  - . . {portable, e.g. handheld}
- B25B 11/02
  - . Assembly jigs
  
- B25B 13/00**

**Spanners; Wrenches** (hand-driven gear-operated [B25B 17/00](#); impact wrenches [B25B 19/00](#); portable power-driven [B25B 21/00](#); {spanners or wrenches pecially adapted for osteosynthesis [A61B 17/8875](#)}; machines for fitting together or separating metal parts [B23P 19/00](#); {for mounting or dismounting wheels [B60B 29/003](#)})
- B25B 13/005
  - . {Cross wrenches}
- B25B 13/02
  - . with rigid jaws ([B25B 13/46](#), [B25B 13/48](#) take precedence)
- B25B 13/04
  - . . of ring jaw type
- B25B 13/06
  - . . of socket type
- B25B 13/065
  - . . . {characterised by the cross-section of the socket}
- B25B 13/08
  - . . of open jaw type
- B25B 13/10
  - . with adjustable jaws ([B25B 13/46](#), [B25B 13/48](#) {[B25B 13/5041](#)} take precedence)
- B25B 13/102
  - . . {composed of a plurality of sockets slidable in each other}
- B25B 13/105
  - . . {composed of a plurality of slidable pins}
- B25B 13/107
  - . . {composed of a main body with exchangeable inserts}
- B25B 13/12
  - . . the jaws being slidable
- B25B 13/14
  - . . . by rack and pinion, worm or gear
- B25B 13/16
  - . . . by screw or nut
- B25B 13/18
  - . . . by cam, wedge, or lever
- B25B 13/20
  - . . . Arrangements for locking the jaws
- B25B 13/22
  - . . . . by ratchet action or toothed bars

B25B 13/24	. . . . by cam, wedge, or friction means
B25B 13/26	. . . . by toggle links
B25B 13/28	. . the jaws being pivotally movable
B25B 13/30	. . . by screw or nut
B25B 13/32	. . . by cam, wedge or lever
B25B 13/34	. . . Arrangements for locking the jaws
B25B 13/36	. . . . by ratchet action
B25B 13/38	. . . . by cam, wedge, or friction means
B25B 13/40	. . . . by toggle links
B25B 13/42	. . . . with self-locking action
B25B 13/44	. of the chuck type
B25B 13/46	. of the ratchet type, for providing a free return stroke of the handle
B25B 13/461	. . {with concentric driving and driven member}
B25B 13/462	. . . {the ratchet parts engaging in a direction radial to the tool operating axis}
B25B 13/463	. . . . {a pawl engaging an externally toothed wheel}
B25B 13/465	. . . . {a pawl engaging an internally toothed ring}
B25B 13/466	. . . {the ratchet parts engaging in an axial direction}
B25B 13/467	. . . {which are gear-operated}
B25B 13/468	. . . {with possibility of locking the ratchet mechanism}
B25B 13/48	. for special purposes
B25B 13/481	. . {for operating in areas having limited access}
B25B 13/483	. . {for spark plugs}
B25B 13/485	. . {for theft-proof screws, bolts or nuts}
B25B 13/486	. . . {using a threaded connection between screw and tool}
B25B 13/488	. . {for connections where two parts must be turned in opposite directions by one tool}
B25B 13/50	. . for operating on work of special profile, e.g. pipes
B25B 13/5008	. . . {for operating on pipes or cylindrical objects ( <a href="#">B25B 13/52</a> takes precedence)}
B25B 13/5016	. . . . {by externally gripping the pipe}
B25B 13/5025	. . . . . {using a pipe wrench type tool}
B25B 13/5033	. . . . . {with fixed jaws}
B25B 13/5041	. . . . . {with movable or adjustable jaws}
B25B 13/505	. . . . . {Pivotally moving or adjustable}
B25B 13/5058	. . . . . {Linearly moving or adjustable, e.g. with an additional small tilting or rocking movement}
B25B 13/5066	. . . . . {using rollers moving along radial cams in a cage structure at least partially surrounding the pipe}
B25B 13/5075	. . . . . {using jaws moving along radial cams or by excentric disks in a cage structure at least partially surrounding the pipe}
B25B 13/5083	. . . . {by internally gripping the pipe}

B25B 13/5091	. . . {for operating on wing nuts, hooks, eye hooks or the like}
B25B 13/52	. . . Chain or strap wrenches
B25B 13/54	. . . Internal grip wrenches {(B25B 13/5083 takes precedence)}
B25B 13/56	. Spanner sets
B25B 13/58	. Jaw attachments
<b>B25B 15/00</b>	<b>Screwdrivers</b> (hand-driven gear-operated <a href="#">B25B 17/00</a> ; impact screwdrivers <a href="#">B25B 19/00</a> ; portable power-driven <a href="#">B25B 21/00</a> ; {screwdrivers specially adapted for osteosynthesis <a href="#">A61B 17/8875</a> })
B25B 15/001	. {characterised by material or shape of the tool bit}
B25B 15/002	. . {characterised by material used or surface finishing}
B25B 15/004	. . {characterised by cross-section}
B25B 15/005	. . . {with cross- or star-shaped cross-section}
B25B 15/007	. . . {with blade of flat or substantially flat cross-section}
B25B 15/008	. . . {Allen-type keys}
B25B 15/02	. operated by rotating the handle
B25B 15/04	. . with ratchet action
B25B 15/06	. operated by axial movement of the handle
<b>B25B 17/00</b>	<b>Hand-driven gear-operated wrenches or screwdrivers</b> (ratchet-operated <a href="#">B25B 13/46</a> { <a href="#">B25B 13/467</a> }, <a href="#">B25B 15/04</a> ; {for mounting or dismounting wheels <a href="#">B60B 29/005</a> })
B25B 17/02	. providing for torque amplification
<b>B25B 19/00</b>	<b>Impact wrenches or screwdrivers</b> (portable power-driven <a href="#">B25B 21/02</a> )
<b>B25B 21/00</b>	<b>Portable power-driven screw or nut setting or loosening tools;</b> (details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed <a href="#">B25F 5/00</a> ; {for mounting or dismounting wheels <a href="#">B60B 29/006</a> }); <b>Attachments for drilling apparatus serving the same purpose</b> (machines <a href="#">B23P 19/06</a> )
B25B 21/001	. {Combined nut setting and crimping}
B25B 21/002	. {for special purposes}
B25B 21/004	. {of the ratchet type}
B25B 21/005	. . {driven by a radially acting hydraulic or pneumatic piston}
B25B 21/007	. {Attachments for drilling apparatus for screw or nut setting or loosening}
B25B 21/008	. {with automatic change-over from high speed-low torque mode to low speed-high torque mode}
B25B 21/02	. with means for imparting impact to screwdriver blade or nut socket
B25B 21/023	. . {for imparting an axial impact, e.g. for self-tapping screws}
B25B 21/026	. . {Impact clutches}
<b>B25B 23/00</b>	<b>Details of, or accessories for, spanners, wrenches, screwdrivers</b> (bolt tensioners <a href="#">B25B 29/02</a> )
B25B 23/0007	. {Connections or joints between tool parts}

- B25B 23/0014 . . {Screwdriver- or wrench-heads provided with cardan joints or the like}
- B25B 23/0021 . . {Prolongations interposed between handle and tool}
- B25B 23/0028 . . {Angular adjustment means between tool head and handle}
- B25B 23/0035 . . {Connection means between socket or screwdriver bit and tool}
- B25B 23/0042 . . {Connection means between screwdriver handle and screwdriver shaft}
- B25B 23/005 . {Screw guiding means}
- B25B 23/0057 . {Socket or nut ejector means}
- B25B 23/0064 . {Means for adjusting screwing depth}
- B25B 23/0071 . {Abutment for screws or nuts}
- B25B 23/0078 . {Reaction arms}
- B25B 23/0085 . {Counterholding devices}
- B25B 23/0092 . {Tools for placing nut or screw lock wires}
- B25B 23/02 . Arrangements for handling screws or nuts
- B25B 23/04 . . for feeding screws or nuts
- B25B 23/045 . . . {using disposable strips or discs carrying the screws or nuts}
- B25B 23/06 . . . using built-in magazine ([B25B 23/045](#) takes precedence)
- B25B 23/065 . . . . {the magazine being coaxial with the tool axis}
- B25B 23/08 . . for holding or positioning screw or nut prior to or during its rotation
- B25B 23/10 . . . using mechanical gripping means
- B25B 23/101 . . . . {for hand-driven screw-drivers ([B25B 23/105](#) takes precedence)}
- B25B 23/103 . . . . {for gripping threaded studs}
- B25B 23/105 . . . . {the gripping device being an integral part of the driving bit}
- B25B 23/106 . . . . . {the driving bit being a blade}
- B25B 23/108 . . . . . {the driving bit being a Philips type bit, an Allen type bit or a socket}
- B25B 23/12 . . . using magnetic means
- B25B 23/14 . Arrangement of torque limiters or torque indicators in wrenches or screwdrivers (couplings for transmitting rotation or clutches [F16D](#); devices for measuring torque per se [G01L](#))
- B25B 23/1405 . . {for impact wrenches or screwdrivers}
- B25B 23/141 . . {Mechanical overload release couplings}
- B25B 23/1415 . . {Break members; Arrangements specially adapted for break-bolts (break-bolts per se [F16B 31/00](#))}
- B25B 23/142 . . specially adapted for hand operated wrenches or screwdrivers
- B25B 23/1422 . . . {torque indicators or adjustable torque limiters}
- B25B 23/1425 . . . . {by electrical means}
- B25B 23/1427 . . . . {by mechanical means}
- B25B 23/145 . . specially adapted for fluid operated wrenches or screwdrivers
- B25B 23/1453 . . . {for impact wrenches or screwdrivers}
- B25B 23/1456 . . . {having electrical components}
- B25B 23/147 . . specially adapted for electrically operated wrenches or screwdrivers
- B25B 23/1475 . . . {for impact wrenches or screwdrivers}



B25B 23/15	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>having a mechanism to mark the work when the selected torque is applied to the work</li> </ul> </li> </ul>
B25B 23/16	<ul style="list-style-type: none"> <li>Handles (<a href="#">in general B25G</a>)</li> </ul>
B25B 23/18	<ul style="list-style-type: none"> <li>Devices for illuminating the head of the screw or the nut</li> </ul>
<b>B25B 25/00</b>	<b>Implements for fastening, connecting or tensioning of wire or strip</b>
B25B 25/005	<ul style="list-style-type: none"> <li>{for applying wire clasps to hose couplings}</li> </ul>
<b>B25B 27/00</b>	<b>Hand tools, specially adapted for fitting together or separating parts or objects whether or not involving some deformation, not otherwise provided for (<a href="#">machines for simply fitting together or separating metal parts or objects B23P 19/00</a>)</b>
B25B 27/0007	<ul style="list-style-type: none"> <li>{Tools for fixing internally screw-threaded tubular fasteners}</li> </ul>
B25B 27/0014	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{motor-driven}</li> </ul> </li> </ul>
B25B 27/0021	<ul style="list-style-type: none"> <li>{Tools for bonding or debonding brake linings}</li> </ul>
B25B 27/0028	<ul style="list-style-type: none"> <li>{Tools for removing or installing seals (<a href="#">B25B 27/0092</a> takes precedence)}</li> </ul>
B25B 27/0035	<ul style="list-style-type: none"> <li>{for motor-vehicles (<a href="#">wrenches for mounting or dismounting wheels B60B 29/003</a>)}</li> </ul>
B25B 27/0042	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{Tools for removing or replacing filters or for draining oil; Tools for setting or loosening closure means for radiators, batteries, or the like}</li> </ul> </li> </ul>
B25B 27/005	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{for pulling off battery terminals}</li> </ul> </li> </ul>
B25B 27/0057	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{for screwing or unscrewing tire valve caps}</li> </ul> </li> </ul>
B25B 27/0064	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{for assembling or disassembling clutches}</li> </ul> </li> </ul>
B25B 27/0071	<ul style="list-style-type: none"> <li>{for bicycles}</li> </ul>
B25B 27/0078	<ul style="list-style-type: none"> <li>{Tools for wheel weights}</li> </ul>
B25B 27/0085	<ul style="list-style-type: none"> <li>{explosive-powered}</li> </ul>
B25B 27/0092	<ul style="list-style-type: none"> <li>{Tools moving along strips, e.g. decorating or sealing strips, to insert them in, or remove them from, grooves or profiles (<a href="#">machines therefor B23P 19/047</a>)}</li> </ul>
B25B 27/02	<ul style="list-style-type: none"> <li>for connecting objects by press fit or detaching same ({<a href="#">B25D 1/16</a> takes precedence})</li> </ul>
B25B 27/023	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{using screws}</li> </ul> </li> </ul>
B25B 27/026	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{fluid driven}</li> </ul> </li> </ul>
B25B 27/04	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>inserting or withdrawing keys</li> </ul> </li> </ul>
B25B 27/06	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>inserting or withdrawing sleeves or bearing races</li> </ul> </li> </ul>
B25B 27/062	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{using screws}</li> </ul> </li> </ul> </li> </ul>
B25B 27/064	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{fluid driven}</li> </ul> </li> </ul> </li> </ul>
B25B 27/08	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>inserting or withdrawing cotter pins</li> </ul> </li> </ul>
B25B 27/10	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>inserting fittings into hoses</li> </ul> </li> </ul>
B25B 27/12	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>mounting or demounting piston rings</li> </ul> </li> </ul>
B25B 27/14	<ul style="list-style-type: none"> <li>for assembling objects other than by press fit or detaching same</li> </ul>
B25B 27/143	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{for installing wire thread inserts or tubular threaded inserts}</li> </ul> </li> </ul>
B25B 27/146	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{Clip clamping hand tools}</li> </ul> </li> </ul>
B25B 27/16	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>abutted flanges</li> </ul> </li> </ul>



B25B 27/18	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>withdrawing broken threaded parts or twist drills</li> </ul> </li> </ul>
B25B 27/20	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>inserting or withdrawing split pins or circlips</li> </ul> </li> </ul>
B25B 27/205	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{Pliers or tweezer type tools with tow actuated jaws}</li> </ul> </li> </ul> </li> </ul>
B25B 27/22	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>positioning sprocket chains, endless tracks, antiskid chains (tools or implements for repairing chains using metal-working operations <a href="#">B21L 21/00</a>)</li> </ul> </li> </ul>
B25B 27/24	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>mounting or demounting valves (for tyre valves <a href="#">B60C 25/18</a>)</li> </ul> </li> </ul>
B25B 27/26	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>compressing the springs</li> </ul> </li> </ul> </li> </ul>
B25B 27/28	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>positioning or withdrawing resilient bushings or the like</li> </ul> </li> </ul>
B25B 27/30	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>positioning or withdrawing springs, e.g. coil or leaf springs (<a href="#">B25B 27/26</a> takes precedence; watchmakers' or watch-repairers' tools <a href="#">G04D</a>)</li> </ul> </li> </ul>
B25B 27/302	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{coil springs other than torsion coil springs}</li> </ul> </li> </ul> </li> </ul>
B25B 27/304	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{by compressing coil springs}</li> </ul> </li> </ul> </li> </ul> </li> </ul>
B25B 27/306	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{by tensioning coil springs}</li> </ul> </li> </ul> </li> </ul> </li> </ul>
B25B 27/308	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{leaf springs}</li> </ul> </li> </ul> </li> </ul>
<b>B25B 28/00</b>	<b>Portable power-driven joining or separation tools</b> ( <a href="#">B25B 21/00</a> takes precedence)
<b>B25B 29/00</b>	<b>Accessories</b> (specially for spanners, wrenches, screwdrivers <a href="#">B25B 23/00</a> ; tool boxes, tool positioning stands <a href="#">B25H</a> )
B25B 29/02	<ul style="list-style-type: none"> <li>Bolt tensioners</li> </ul>
<b>B25B 31/00</b>	<b>Hand tools for applying fasteners</b> (nailing or stapling tools <a href="#">B25C</a> )
B25B 31/005	<ul style="list-style-type: none"> <li>{for temporarily connecting sheets before or during assembly operations}</li> </ul>
<b>B25B 33/00</b>	<b>Hand tools not covered by any other group in this subclass</b>
B25B 33/005	<ul style="list-style-type: none"> <li>{Chuck keys}</li> </ul>