

**ECLA****EUROPEAN CLASSIFICATION****B25B****TOOLS OR BENCH DEVICES NOT OTHERWISE PROVIDED FOR, FOR FASTENING, CONNECTING, DISENGAGING OR HOLDING**

[N: **WARNING**  
[C0409]

1. The following IPC groups are not used in the internal ECLA classification scheme. Subject matter covered by these groups is classified in the following ECLA groups:

<a href="#">B25B23/143</a>	covered by	<a href="#">B25B23/142B</a>
<a href="#">B25B23/144</a>	covered by	<a href="#">B25B23/142B1</a>
<a href="#">B25B23/151</a>	covered by	<a href="#">B25B23/14</a> , <a href="#">B25B23/147</a>
<a href="#">B25B23/153</a>	covered by	<a href="#">B25B23/14D</a>
<a href="#">B25B23/155</a>	covered by	<a href="#">B25B23/14C</a>
<a href="#">B25B23/157</a>	covered by	<a href="#">B25B23/14</a>
<a href="#">B25B23/159</a>	covered by	<a href="#">B25B23/14</a>
<a href="#">B25B27/067</a>	covered by	<a href="#">B25B27/06</a>
<a href="#">B25B27/073</a>	covered by	<a href="#">B25B27/06B</a>

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**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)

**B25B1/00**

**Vices** (specially adapted for tying flies for angling [A01K97/28](#); specially adapted for machine tools [B23Q3/00](#); [N: rope or cable splicing vices [D07B7/16B](#)]) [\[C9603\]](#)

**B25B1/02**

- with sliding jaws

**B25B1/04**

- with pivoted jaws

**B25B1/06**

- Arrangements for positively actuating jaws

**B25B1/08**

- using cams

**B25B1/10**

- using screws

**B25B1/10B**

- [N: with one screw perpendicular to the jaw faces, e.g. a differential or telescopic screw]

**B25B1/10C**

- [N: with mechanical or hydraulic power amplifiers]

**B25B1/12**

- with provision for disengagement

**B25B1/12B**

- [N: with one screw perpendicular to the jaw faces]

**B25B1/14**

- using toggle links

**B25B1/16**

- by pedal, with or without provision for additional manual actuation

**B25B1/18**

- motor driven, e.g. with fluid drive, with or without provision for manual actuation

**B25B1/20**

- Vices for clamping work of special profile, e.g. pipes

**B25B1/20B**

- [N: Vices of the chain or strip type] [\[N9703\]](#)

- B25B1/22 . Arrangements for turning or tilting vices
- B25B1/24 . Details, e.g. jaws of special shape, slideways
- B25B1/24B . . [N: Construction of the jaws]
- B25B1/24B2 . . . [N: characterised by surface features or material]
- B25B1/24B2B . . . . [N: being composed of a plurality of parts adapting to the shape of the workpiece]
- B25B1/24B2B2 . . . . . [N: the parts having a linear movement]
- B25B1/24B2B3 . . . . . [N: the parts having a pivotal movement]
- B25B1/24B3 . . . [N: the whole jaw being pivotable around an axis perpendicular to the actioning direction of the vice]
- B25B1/24B3B . . . . [N: around a vertical axis ([B25B1/24B3D](#) takes precedence)]
- B25B1/24B3C . . . . [N: around a horizontal axis ([B25B1/24B3D](#) takes precedence)]
- B25B1/24B3D . . . . [N: to put one of the jaw faces in a position opposite to the second jaw]
- B25B1/24B4 . . . [N: with supplementary jaws]
- B25B1/24B5 . . . [N: with auxiliary attachments]
- B25B1/24B5B . . . . [N: Supports for the workpiece]
- B25B1/24B5C . . . . [N: Lateral positioning arms]
- B25B1/24B6 . . . [N: with pull-down action on the workpiece]
- B25B1/24B7 . . . [N: with more than one pair of jaws]
- B25B1/24C . . [N: Supports]
- B25B1/24D . . [N: Slideways]
- B25B1/24E . . [N: Means indicating the distance between jaws or their angular position]

## **B25B3/00 Hand vices, i.e. vices intended to be held by hand; Pin vices**

### **B25B5/00 Clamps** (for holding or positioning work for welding, soldering, or cutting by applying heat locally [B23K37/04](#)) [C9603]

- B25B5/00B . [N: Combinations of clamps]
- B25B5/00C . [N: Supporting devices for clamps]
- B25B5/02 . with sliding jaws
- B25B5/04 . with pivoted jaws
- B25B5/06 . Arrangements for positively actuating jaws
- B25B5/06B . . [N: with fluid drive ([B25B5/08D](#), [B25B5/12B](#) take precedence)] [C9703]
- B25B5/06B1 . . . [N: with clamping means pivoting around an axis parallel to the pressing direction]
- B25B5/06B2 . . . [N: with clamping means pivoting around an axis perpendicular to the pressing direction ([B25B5/12B](#) takes precedence)]
- B25B5/06B3 . . . [N: involving the use of flexible pressure bags or diaphragms]
- B25B5/06C . . [N: C-clamps ([B25B5/06B](#), [B25B5/08B](#), [B25B5/10B](#), [B25B5/12C](#) take precedence)]

	[C9703]
B25B5/06D	. . [N: with at least one jaw sliding along a bar ( <a href="#">B25B5/06B</a> , <a href="#">B25B5/08C</a> , <a href="#">B25B5/10C</a> , <a href="#">B25B5/12D</a> take precedence)] [C9703]
B25B5/08	. . using cams
B25B5/08B	. . . [N: C-clamps]
B25B5/08C	. . . [N: with at least one jaw sliding along a bar]
B25B5/08D	. . . [N: actuated by a hydraulic or pneumatic piston] [N9703]
B25B5/10	. . using screws
B25B5/10B	. . . [N: C-clamps]
B25B5/10C	. . . [N: with at least one jaw sliding along a bar]
B25B5/10D	. . . [N: with a hinge]
B25B5/10E	. . . [N: with one screw and one clamping lever and one fulcrum element]
B25B5/10E1	. . . . [N: with one end of the lever resting on a table and the screw being positioned between the ends of the lever]
B25B5/10E2	. . . . [N: with one end of the lever resting on an additional block and the screw being positioned between the ends of the lever]
B25B5/10E2B	. . . . . [N: Blocks therefor]
B25B5/10E3	. . . . [N: the screw contacting one of the ends of the lever]
B25B5/10F	. . . [N: with two screws, e.g. parallel screw clamps]
B25B5/12	. . using toggle links
B25B5/12B	. . . [N: with fluid drive]
B25B5/12C	. . . [N: C-clamps]
B25B5/12D	. . . [N: with at least one jaw sliding along a bar]
B25B5/14	. Clamps for work of special profile [N: (using chains or strips <a href="#">B25B1/20B</a> )] [C9703]
B25B5/14B	. . [N: for windows and frames]
B25B5/14C	. . [N: for plates]
B25B5/14D	. . [N: for pipes]
B25B5/16	. Details, e.g. jaws, jaw attachments
B25B5/16B	. . [N: Jaws or jaw attachments]
B25B5/16D	. . [N: Slideways; Guiding and/or blocking means for jaws thereon]
<b>B25B7/00</b>	<b>Pliers; Other hand-held gripping tools with jaws on pivoted limbs; Details applicable generally to pivoted-limb hand tools</b> (implements for fastening, connecting, or tensioning wire or strip <a href="#">B25B25/00</a> ; adapted for other fitting or separating purposes <a href="#">B25B27/00</a> ; for marking animals <a href="#">A01K11/00</a> ; dentists' forceps <a href="#">A61C3/00</a> ; bending wire eyes <a href="#">B21F1/06</a> ; hand-held metal-shearing or metal-cutting devices <a href="#">B23D29/00</a> ; hand cutting tools <a href="#">B26B</a> ; for punching or perforating <a href="#">B26F1/36</a> ; devices for securing ends of binding material in bundling machines <a href="#">B65B13/24</a> ; specially designed for watch-making or comparable work <a href="#">G04D1/00</a> )
B25B7/02	. Jaws
B25B7/04	. . adjustable
B25B7/06	. Joints

- B25B7/08 . . with fixed fulcrum
- B25B7/10 . . with adjustable fulcrum
- B25B7/12 . involving special transmission means between the handles and the jaws, e.g. toggle levers, gears
- B25B7/12B . . [N: with self-locking toggle levers]
- B25B7/12C . . [N: with fluid drive]
- B25B7/14 . Locking means [N: ([B25B7/12B](#) takes precedence)]
- B25B7/16 . . combined with means for tightening the operating arms of jaws
- B25B7/18 . Adjusting means for the operating arms
- B25B7/20 . Pliers for sealing
- B25B7/22 . Pliers provided with auxiliary tool elements, e.g. cutting edges, nail extractors ([for removing insulation or armouring from electric cables H02G1/12](#))
- B25B9/00** **Hand-held gripping tools other than those covered by group [B25B7/00](#) (wrenches [B25B13/00](#); specially adapted for watchmakers' or like use [G04D](#))**
- B25B9/02 . without sliding or pivotal connections, e.g. tweezers, onepiece tongs
- B25B9/04 . with sliding jaws
- B25B11/00** **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 B23K37/04](#); specially adapted to machine tools [B23Q3/00](#)) [C9603]**
- B25B11/00B . [N: Magnetic work holders]
- B25B11/00C . [N: Vacuum work holders]
- B25B11/00C1 . . [N: portable, e.g. handheld]
- B25B11/02 . Assembly jigs
- B25B13/00** **Spanners; Wrenches ([hand-driven gear-operated B25B17/00](#); impact wrenches [B25B19/00](#); portable power-driven [B25B21/00](#); [N: spanners or wrenches pecially adapted for osteosynthesis [A61B17/88S](#)]; machines for fitting together or separating metal parts [B23P19/00](#); [N: for mounting or dismounting wheels [B60B29/00C](#)]) [C9612]**
- B25B13/00B . [N: Cross wrenches]
- B25B13/02 . with rigid jaws ([B25B13/46](#), [B25B13/48](#) take precedence)
- B25B13/04 . . of ring jaw type
- B25B13/06 . . of socket type
- B25B13/06B . . . [N: characterised by the cross-section of the socket]
- B25B13/08 . . of open jaw type

- B25B13/10 . with adjustable jaws ([B25B13/46](#), [B25B13/48](#) [N: [B25B13/50B2B4](#)] take precedence) [C9303]
- B25B13/10B . . [N: composed of a plurality of sockets slidable in each other]
- B25B13/10C . . [N: composed of a plurality of slidable pins]
- B25B13/10D . . [N: composed of a main body with exchangeable inserts]
- B25B13/12 . . the jaws being slidable
- B25B13/14 . . . by rack and pinion, worm or gear
- B25B13/16 . . . by screw or nut
- B25B13/18 . . . by cam, wedge, or lever
- B25B13/20 . . . Arrangements for locking the jaws
- B25B13/22 . . . . by ratchet action or toothed bars
- B25B13/24 . . . . by cam, wedge, or friction means
- B25B13/26 . . . . by toggle links
- B25B13/28 . . the jaws being pivotally movable
- B25B13/30 . . . by screw or nut
- B25B13/32 . . . by cam, wedge or lever
- B25B13/34 . . . Arrangements for locking the jaws
- B25B13/36 . . . . by ratchet action
- B25B13/38 . . . . by cam, wedge, or friction means
- B25B13/40 . . . . by toggle links
- B25B13/42 . . . . with self-locking action
- B25B13/44 . of the chuck type
- B25B13/46 . of the ratchet type, for providing a free return stroke of the handle
- B25B13/46B . . [N: with concentric driving and driven member]
- B25B13/46B1 . . . [N: the ratchet parts engaging in a direction radial to the tool operating axis]
- B25B13/46B1B . . . . [N: a pawl engaging an externally toothed wheel]
- B25B13/46B1C . . . . [N: a pawl engaging an internally toothed ring]
- B25B13/46B2 . . . [N: the ratchet parts engaging in an axial direction]
- B25B13/46B3 . . . [N: which are gear-operated]
- B25B13/46B4 . . . [N: with possibility of locking the ratchet mechanism]
- B25B13/48 . for special purposes
- B25B13/48B . . [N: for operating in areas having limited access]
- B25B13/48C . . [N: for spark plugs]
- B25B13/48D . . [N: for theft-proof screws, bolts or nuts]
- B25B13/48D1 . . . [N: using a threaded connection between screw and tool]
- B25B13/48E . . [N: for connections where two parts must be turned in opposite directions by one tool]
- B25B13/50 . . for operating on work of special profile, e.g. pipes
- B25B13/50B . . . [N: for operating on pipes or cylindrical objects ([B25B13/52](#) takes precedence)] [C9603]

B25B13/50B2	. . . . [N: by externally gripping the pipe] [N9603]
B25B13/50B2B	. . . . . [N: using a pipe wrench type tool] [N9603]
B25B13/50B2B2	. . . . . [N: with fixed jaws] [N9603]
B25B13/50B2B4	. . . . . [N: with movable or adjustable jaws] [N9603]
B25B13/50B2B4B	. . . . . {7 dots} [N: Pivotally moving or adjustable] [N9603]
B25B13/50B2B4C	. . . . . {7 dots} [N: Linearly moving or adjustable, e.g. with an additional small tilting or rocking movement] [N9603]
B25B13/50B2C	. . . . . [N: using rollers moving along radial cams in a cage structure at least partially surrounding the pipe] [N9603]
B25B13/50B2D	. . . . . [N: using jaws moving along radial cams or by excentric disks in a cage structure at least partially surrounding the pipe] [N9603]
B25B13/50B4	. . . . [N: by internally gripping the pipe] [N9603]
B25B13/50C	. . . [N: for operating on wing nuts, hooks, eye hooks or the like] [C9603]
B25B13/52	. . . Chain or strap wrenches
B25B13/54	. . . Internal grip wrenches [N: ( <a href="#">B25B13/50B4</a> takes precedence)] [C9603]
B25B13/56	. Spanner sets
B25B13/58	. Jaw attachments
<b>B25B15/00</b>	<b>Screwdrivers</b> (hand-driven gear-operated <a href="#">B25B17/00</a> ; impact screwdrivers <a href="#">B25B19/00</a> ; portable power-driven <a href="#">B25B21/00</a> ; [N: screwdrivers specially adapted for osteosynthesis <a href="#">A61B17/88S</a> ]) [C9612]
B25B15/00B	. [N: characterised by material or shape of the tool bit]
B25B15/00B1	. . [N: characterised by material used or surface finishing]
B25B15/00B2	. . [N: characterised by cross-section]
B25B15/00B2B	. . . [N: with cross- or star-shaped cross-section]
B25B15/00B2C	. . . [N: with blade of flat or substantially flat cross-section]
B25B15/00B2D	. . . [N: Allen-type keys]
B25B15/02	. operated by rotating the handle
B25B15/04	. . with ratchet action
B25B15/06	. operated by axial movement of the handle
<b>B25B17/00</b>	<b>Hand-driven gear-operated wrenches or screwdrivers</b> (ratchet-operated <a href="#">B25B13/46</a> [N: <a href="#">B25B13/46B3</a> ], <a href="#">B25B15/04</a> ; [N: for mounting or dismounting wheels <a href="#">B60B29/00C4</a> ])
B25B17/02	. providing for torque amplification
<b>B25B19/00</b>	<b>Impact wrenches or screwdrivers</b> (portable power-driven <a href="#">B25B21/02</a> )
<b>B25B21/00</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="#">B25F5/00</a> ; [N: for mounting or dismounting wheels <a href="#">B60B29/00C6</a> ]); <b>Attachments for drilling apparatus serving the same purpose</b> (machines <a href="#">B23P19/06</a> ) [C9603]

B25B21/00B	<ul style="list-style-type: none"> <li>• [N: Combined nut setting and crimping]</li> </ul>
B25B21/00C	<ul style="list-style-type: none"> <li>• [N: for special purposes]</li> </ul>
B25B21/00D	<ul style="list-style-type: none"> <li>• [N: of the ratchet type]</li> </ul>
B25B21/00D2	<ul style="list-style-type: none"> <li>• . [N: driven by a radially acting hydraulic or pneumatic piston] [N9702]</li> </ul>
B25B21/00E	<ul style="list-style-type: none"> <li>• [N: Attachments for drilling apparatus for screw or nut setting or loosening]</li> </ul>
B25B21/00F	<ul style="list-style-type: none"> <li>• [N: with automatic change-over from high speed-low torque mode to low speed-high torque mode]</li> </ul>
B25B21/02	<ul style="list-style-type: none"> <li>• with means for imparting impact to screwdriver blade or nut socket</li> </ul>
B25B21/02B	<ul style="list-style-type: none"> <li>• . [N: for imparting an axial impact, e.g. for self-tapping screws]</li> </ul>
B25B21/02C	<ul style="list-style-type: none"> <li>• . [N: Impact clutches]</li> </ul>
<b>B25B23/00</b>	<b>Details of, or accessories for, spanners, wrenches, screwdrivers (bolt tensioners <a href="#">B25B29/02</a>)</b>
B25B23/00A	<ul style="list-style-type: none"> <li>• [N: Connections or joints between tool parts] [N9603]</li> </ul>
B25B23/00A1	<ul style="list-style-type: none"> <li>• . [N: Screwdriver- or wrench-heads provided with cardan joints or the like] [N9603]</li> </ul>
B25B23/00A2	<ul style="list-style-type: none"> <li>• . [N: Prolongations interposed between handle and tool] [N9603]</li> </ul>
B25B23/00A3	<ul style="list-style-type: none"> <li>• . [N: Angular adjustment means between tool head and handle] [N9603]</li> </ul>
B25B23/00A4	<ul style="list-style-type: none"> <li>• . [N: Connection means between socket or screwdriver bit and tool] [N9603]</li> </ul>
B25B23/00A5	<ul style="list-style-type: none"> <li>• . [N: Connection means between screwdriver handle and screwdriver shaft] [N9603]</li> </ul>
B25B23/00B	<ul style="list-style-type: none"> <li>• [N: Screw guiding means] [N9603]</li> </ul>
B25B23/00C	<ul style="list-style-type: none"> <li>• [N: Socket or nut ejector means] [N9603]</li> </ul>
B25B23/00D	<ul style="list-style-type: none"> <li>• [N: Means for adjusting screwing depth] [N9603]</li> </ul>
B25B23/00E	<ul style="list-style-type: none"> <li>• [N: Abutment for screws or nuts] [N9603]</li> </ul>
B25B23/00H	<ul style="list-style-type: none"> <li>• [N: Reaction arms] [N9603]</li> </ul>
B25B23/00K	<ul style="list-style-type: none"> <li>• [N: Counterholding devices] [N9603]</li> </ul>
B25B23/00N	<ul style="list-style-type: none"> <li>• [N: Tools for placing nut or screw lock wires] [N9603]</li> </ul>
B25B23/02	<ul style="list-style-type: none"> <li>• Arrangements for handling screws or nuts</li> </ul>
B25B23/04	<ul style="list-style-type: none"> <li>• . for feeding screws or nuts</li> </ul>
B25B23/04B	<ul style="list-style-type: none"> <li>• . . [N: using disposable strips or discs carrying the screws or nuts]</li> </ul>
B25B23/06	<ul style="list-style-type: none"> <li>• . . using built-in magazine (<a href="#">B25B23/04B</a> takes precedence)</li> </ul>
B25B23/06B	<ul style="list-style-type: none"> <li>• . . . [N: the magazine being coaxial with the tool axis] [N9702]</li> </ul>
B25B23/08	<ul style="list-style-type: none"> <li>• . for holding or positioning screw or nut prior to or during its rotation</li> </ul>
B25B23/10	<ul style="list-style-type: none"> <li>• . . using mechanical gripping means</li> </ul>

B25B23/10B	. . . . [N: for hand-driven screw-drivers ( <a href="#">B25B23/10D</a> takes precedence)]
B25B23/10C	. . . . [N: for gripping threaded studs]
B25B23/10D	. . . . [N: the gripping device being an integral part of the driving bit]
B25B23/10D1	. . . . . [N: the driving bit being a blade]
B25B23/10D2	. . . . . [N: the driving bit being a Philips type bit, an Allen type bit or a socket]
B25B23/12	. . . using magnetic means
B25B23/14	. Arrangement of torque limiters or torque indicators in wrenches or screwdrivers (couplings for transmitting rotation or clutches <a href="#">F16D</a> ; devices for measuring torque per se <a href="#">G01L</a> ) [ <a href="#">C9603</a> ]
B25B23/14B	. . [N: for impact wrenches or screwdrivers]
B25B23/14C	. . [N: Mechanical overload release couplings]
B25B23/14D	. . [N: Break members; Arrangements specially adapted for break-bolts (break-bolts per se <a href="#">F16B31/00</a> )]
B25B23/142	. . specially adapted for hand operated wrenches or screwdrivers
B25B23/142B	. . . [N: torque indicators or adjustable torque limiters]
B25B23/142B1	. . . . [N: by electrical means]
B25B23/142B2	. . . . [N: by mechanical means]
B25B23/145	. . specially adapted for fluid operated wrenches or screwdrivers
B25B23/145B	. . . [N: for impact wrenches or screwdrivers]
B25B23/145C	. . . [N: having electrical components]
B25B23/147	. . specially adapted for electrically operated wrenches or screwdrivers
B25B23/147B	. . . [N: for impact wrenches or screwdrivers]
B25B23/15	. . having a mechanism to mark the work when the selected torque is applied to the work
B25B23/16	. Handles (in general <a href="#">B25G</a> )
B25B23/18	. Devices for illuminating the head of the screw or the nut
<b>B25B25/00</b>	<b>Implements for fastening, connecting or tensioning of wire or strip</b>
B25B25/00B	. [N: for applying wire clasps to hose couplings]
<b>B25B27/00</b>	<b>Hand tools, specially adapted for fitting together or separating parts or objects whether or not involving some deformation, not otherwise provided for (machines for simply fitting together or separating metal parts or objects <a href="#">B23P19/00</a>) [<a href="#">C9603</a>]</b>
B25B27/00B	. [N: Tools for fixing internally screw-threaded tubular fasteners]
B25B27/00B2	. . [N: motor-driven]
B25B27/00C	. [N: Tools for bonding or debonding brake linings]
B25B27/00D	. [N: Tools for removing or installing seals ( <a href="#">B25B27/00L</a> takes precedence)]
B25B27/00F	. [N: for motor-vehicles (wrenches for mounting or dismounting wheels <a href="#">B60B29/00C</a> )]



- B25B27/00F1 . . [N: Tools for removing or replacing filters or for draining oil; Tools for setting or loosening closure means for radiators, batteries, or the like]
- B25B27/00F2 . . [N: for pulling off battery terminals]
- B25B27/00F4 . . [N: for screwing or unscrewing tire valve caps]
- B25B27/00F5 . . [N: for assembling or disassembling clutches]
- B25B27/00G . [N: for bicycles]
- B25B27/00H . [N: Tools for wheel weights]
- B25B27/00K . [N: explosive-powered]
- B25B27/00L . [N: Tools moving along strips, e.g. decorating or sealing strips, to insert them in, or remove them from, grooves or profiles (machines therefor [B23P19/04E](#))]
- B25B27/02 . for connecting objects by press fit or detaching same [N: ([B25D1/16](#) takes precedence)]
- B25B27/02B . . [N: using screws]
- B25B27/02C . . [N: fluid driven]
- B25B27/04 . . inserting or withdrawing keys
- B25B27/06 . . inserting or withdrawing sleeves or bearing races
- B25B27/06B . . . [N: using screws]
- B25B27/06C . . . [N: fluid driven]
- B25B27/08 . . inserting or withdrawing cotter pins
- B25B27/10 . . inserting fittings into hoses
- B25B27/12 . . mounting or demounting piston rings
- B25B27/14 . for assembling objects other than by press fit or detaching same
- B25B27/14B . . [N: for installing wire thread inserts or tubular threaded inserts]
- B25B27/14C . . [N: Clip clamping hand tools]
- B25B27/16 . . abutted flanges
- B25B27/18 . . withdrawing broken threaded parts or twist drills
- B25B27/20 . . inserting or withdrawing split pins or circlips
- B25B27/20B . . . [N: Pliers or tweezer type tools with tow actuated jaws]
- B25B27/22 . . positioning sprocket chains, endless tracks, antiskid chains (tools or implements for repairing chains using metal-working operations [B21L21/00](#))
- B25B27/24 . . mounting or demounting valves (for tyre valves [B60C25/18](#)) [C9603]
- B25B27/26 . . . compressing the springs
- B25B27/28 . . positioning or withdrawing resilient bushings or the like
- B25B27/30 . . positioning or withdrawing springs, e.g. coil or leaf springs ([B25B27/26](#) takes precedence; watchmakers' or watch-repairers' tools G04D)
- B25B27/30B . . . [N: coil springs other than torsion coil springs]
- B25B27/30B1 . . . . [N: by compressing coil springs]
- B25B27/30B2 . . . . [N: by tensioning coil springs]
- B25B27/30C . . . [N: leaf springs]

**B25B28/00**      **Portable power-driven joining or separation tools ([B25B21/00](#) takes precedence)**

<b>B25B29/00</b>	<b>Accessories</b> (specially for spanners, wrenches, screwdrivers <a href="#">B25B23/00</a> ; tool boxes, tool positioning stands <a href="#">B25H</a> )
B25B29/02	. Bolt tensioners
<b>B25B31/00</b>	<b>Hand tools for applying fasteners</b> (nailing or stapling tools <a href="#">B25C</a> )
B25B31/00B	. [N: for temporarily connecting sheets before or during assembly operations]
<b>B25B33/00</b>	<b>Hand tools not covered by any other group in this subclass</b>
B25B33/00B	. [N: Chuck keys]