

## **B25F**

**COMBINATION OR MULTI-PURPOSE TOOLS NOT OTHERWISE PROVIDED FOR; DETAILS OR COMPONENTS OF PORTABLE POWER-DRIVEN TOOLS NOT PARTICULARLY RELATED TO THE OPERATIONS PERFORMED AND NOT OTHERWISE PROVIDED FOR [N: (machines or arrangements of machines for performing specified combinations of different metal-working operations not covered by a single other subclass [HYPERLINK "sfpluscla://ECLA/B23P23/00" B23P23/00](#) and subgroups)]**

### **Definition statement**

*This subclass/group covers:*

Combination or multi-purpose hand tools with interchangeable or adjustable tool elements;

Associations of tools for different working operations with one portable power-drive means and adapters therefore;

Details or components of portable power-driven tools not particularly related to the operations performed and not otherwise provided for, e.g. construction of casings, bodies or handles.

Note:

This subclass does not cover tools having a clear primary function as well as one or more secondary functions. Those tools are covered by the relevant subclass for tools having such primary function and are, thus, not classified in group [B25F 1/00](#) or [B25F 3/00](#) of this subclass.

### **Relationship between large subject matter areas**

[B25F](#) covers combination or multi-purpose hand tools and combination or multi-purpose portable power-driven tools. When the tools have a clear primary function they are classified in other relevant places, for instance: subclass [B25B](#) covers hand tools having a clear primary function of fastening, connecting, disengaging or holding, e.g. spanners, wrenches or screwdrivers.

Subclass [B25F](#) further covers details or components of portable power-driven tools not particularly related to the operations performed and not otherwise provided for. Even if a portable power-driven tool has a clear primary function, its details or components, which are not particularly related to this primary function, are classified in subclass [B25F](#), if not otherwise provided for.

Details or components of hand tools with a clear primary function are classified in the relevant subclass for the hand tool, for instance: subclass [B25B](#) covers details of or accessories for spanners, wrenches or screwdrivers; subclass [B25C](#) covers tools for driving both nails or staples.

More specifically, [B23B 45/00](#) and [B23B 47/00](#) cover hand-held or like portable drilling machines and constructional features of components specially designed for boring or drilling machines. [B67B 7/44](#) covers combination tools for opening closed containers, e.g. comprising cork-screws, can pierces, crown-cap removers.

[B25B 33/00](#) covers hand tools not covered by any other group in subclass [B25B](#).

### References relevant to classification in this subclass

*This subclass/group does not cover:*

Combinations or associations of metal-working machines, not directed to a particular result; Details, components or accessories for machine tools.	<a href="#">B23Q</a>
Hand tools having a clear primary function of fastening, connecting, disengaging or holding, e.g. spanners, wrenches or screwdrivers.	<a href="#">B25B</a>

Examples of places where the subject matter of this subclass is covered when specially adapted, used for a particular purpose, or incorporated in a large system:

Cutting implements specially adapted for horticultural purposes; Delimiting standing trees	<a href="#">A01G 3/00</a>
Power-driven cleaning or polishing devices for dentistry	<a href="#">A61C 17/16</a>
Portable grinding machines; Accessories therefor	<a href="#">B24B 23/00</a>
Hand-held nailing tools	<a href="#">B25C 1/00</a>
Manually operated portable stapling tools; Hand-held power-operated stapling tools	<a href="#">B25C 5/00</a>
Hand-held cutting tools, e.g., hand knives, hand shears, scissors and razors	<a href="#">B26B</a>

Portable hand-operated wood-milling machines; Routers	<a href="#">B27C 5/10</a>
Portable power-driven circular saws for manual operations	<a href="#">B27B 9/00</a>

Places in relation to which this subclass is residual:

Tools or bench devices not otherwise provided for, for fastening, connecting, disengaging, or holding	<a href="#">B25B</a>
Hand-held nailing or stapling tools; manually-operated portable stapling tools	<a href="#">B25C</a>
Percussive tools	<a href="#">B25D</a>
Hand-held or like portable drilling machines and constructional features of components specially designed for boring or drilling machines	<a href="#">B23B 45/00</a> <a href="#">B23B 47/00</a>
Hand tools not covered by any other group in subclass <a href="#">B25B</a>	<a href="#">B25B 33/00</a>
Handles of portable power-driven percussive tools	<a href="#">B25D 17/04</a>
Hand- or power-operated combination tools for opening closed containers, e.g. comprising cork-screws, can piercers, crown-cap removers	<a href="#">B67B 7/44</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Machines, devices or processes for planing, slotting, shearing, broaching, sawing, filing, scraping	<a href="#">B23D</a>
Picks	<a href="#">B25D 7/00</a>

Portable percussive tools with fluid-pressure drive, electromotor drive or electromagnetic drive	<a href="#">B25D 9/00</a> <a href="#">B25D 13/00</a>
Handles for hand implements	<a href="#">B25G</a>
Cutting implements specially adapted for horticultural purposes; Delimiting standing trees	<a href="#">A01G 3/00</a>
Multi-purpose kitchen machines for preparing food	<a href="#">A47J 44/00</a>
Power-driven cleaning or polishing devices for dentistry	<a href="#">A61C 17/16</a>
Portable grinding machines; Accessories therefore	<a href="#">B24B 23/00</a>
Hand-held cutting tools, e.g., hand knives, hand shears, scissors and razors	<a href="#">B26B</a>
Portable hand-operated wood-milling machines; Routers	<a href="#">B27C 5/10</a>
Portable power-driven circular saws for manual operations	<a href="#">B27B 9/00</a>

## Glossary of terms

*In this subclass/group, the following terms (or expressions) are used with the meaning indicated:*

In the subclass, the following terms or expressions are used with the meaning indicated:

Tool	Any portable instrument of operation for performing, assisting the work or facilitating mechanical operations. Tools can be manually operated or by machine tools, such as millers for milling machines. Machine tools are not considered as tools.
Hand tool	Device for performing work on a

	material or a physical system using only muscular strength.
Power-driven tool	Tool powered by a motor, e.g. electric, hydraulic, pneumatic, fluid-pressure.
Association of power-driven tools	A power-driven object having two or more tools, which are designed to perform different specific tasks, e.g. a Proxxon®-type rotary power tool with exchangeable tools for boring, milling, grinding, polishing, etc.
Portable	Capable of being easily carried or conveyed.
Multi-purpose tool	Device having or serving several purposes, which may be either manual or power-driven, e.g. a tool with interchangeable tool elements.
Combination hand tools	Manually operated object involving two, or possibly more than two (but a confined number of), clearly defined purposes (having two or more tools put together for different purposes), e.g. Gerber® multi-plier tool.

## Synonyms and Keyword

In patent documents the following terms “power-driven” and “power assisted” are often used as synonyms.

In patent documents the following terms “hand tool”, “hand-held”, “hand device”, “hand operated” and “hand actuated” are often used as synonyms.

In patent documents the following terms “portable machine” and “portable equipment” are often used as synonyms.

## B25F 1/00

**Combination or multi-purpose hand tools (associations of tools for different working operations with one portable power-drive means B25F3/00; [N: combined stapling and punching tools B25C5/0214])**

## Definition statement

*This subclass/group covers:*

Associations of tools for different working operations, without a power-drive means.

## References relevant to classification in this group

*This subclass/group does not cover:*

Associations of tools for different working operations with one portable power-drive means	<a href="#">B25F 3/00</a>
Combined stapling and punching tools	<a href="#">B25C 5/0214</a>

## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Screwdrivers	<a href="#">B25B 15/00</a>
Wrenches, spanners	<a href="#">B25B 13/00</a>
Hand equipment for mountaineering	<a href="#">A63B 29/08</a>
Devices or single parts facilitating escape from buildings or the like (i.e. rescue tools)	<a href="#">A62B 3/00</a>
Pliers provided with auxiliary tool elements	<a href="#">B25B 7/22</a>
Picks	<a href="#">B25D 7/00</a>
Hand hammers	<a href="#">B25D 1/00</a>
Hand scraping implements	<a href="#">B23D 79/00</a>
Hand knives with adjustable blade	<a href="#">B26B 1/00</a>
Hand knives combined with other implements	<a href="#">B26B 11/00</a>

## B25F 3/00

**Associations of tools for different working operations with one portable power-drive means; Adapters therefore**

### Definition statement

*This subclass/group covers:*

Associations of tools for different working operations, with a common power-drive means.

Different adapters mechanically associated with a core power unit.

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Sawing machines or devices not covered - machines for converting any machine for sawing purposes	<a href="#">B23D 57/0076</a>
Portable power-driven screw or nut setting tools and attachments therefore	<a href="#">B25B 21/00</a> <a href="#">B25B 21/007</a>
Hand-held or like portable drilling machines - attachments	<a href="#">B23B 45/003</a>
Construction of casings, bodies or handles for power tools	<a href="#">B25F 5/02</a>
Details of, or accessories for spanners, wrenches, screwdrivers	<a href="#">B25B 23/0007</a>

## B25F 5/00

**Details or components of portable power-driven tools not particularly related to the operations performed and not otherwise provided for**

### Definition statement

*This subclass/group covers:*

Details or components of portable power-driven tools, e.g. handles or accessories, and not entire power-driven tools.

## Informative references

Attention is drawn to the following places, which may be of interest for search:

Apparatus to be carried on or by a person, e.g. of knapsack type	<a href="#">B05B 9/08</a>
Hand-held or like portable drilling machines, e.g. drill guns	<a href="#">B23B 45/00</a>
Hand-operated planing devices; Portable planing apparatus	<a href="#">B23D 9/00</a>
Hand-held devices for cutting by a nibbling action	<a href="#">B23D 27/02</a>
Portable power-driven screw or nut setting or loosening tools	<a href="#">B25B 21/00</a>
Details of portable power-driven percussive tools	<a href="#">B25D 17/00</a>
Hand cutting tools involving disc blades, e.g. motor-driven	<a href="#">B26B 25/00</a>
Perforating; Punching; Cutting-out and Stamping-out	<a href="#">B26F 1/00</a>
Power-driven circular saws for manual operation	<a href="#">B27B 9/00</a>
Other reciprocating saws with power drive; Fret-saws	<a href="#">B27B 19/00</a>
Hand planes equipped with power-driven cutter blocks	<a href="#">B27C 1/10</a>
Portable hand-operated wood-milling machines; Routers	<a href="#">B27C 5/10</a>
Arrangements for handling mechanical energy structurally associated with the machine, e.g. structural association with mechanical driving motor or auxiliary dynamo-electric machine	<a href="#">H02K 7/00</a>

Adaptations of engines for hand-held tools; Portable combinations of engines with engine-driven devices	<a href="#">F02B 63/02</a>
Portable grinding machines, e.g. hand-guided; with rotating grinding tools; Accessories therefore	<a href="#">B24B 23/02</a>
Details of switching devices #not covered by groups <a href="#">H01H 1/00-H01H 7/00</a>	<a href="#">H01H 9/00</a>
Arrangements for cooling or lubricating parts of the machine (e.g. drill)	<a href="#">B23Q 11/12</a>
Details of, or accessories for, portable power-driven percussive tools - devices for cleaning or cooling tool or work	<a href="#">B25D 17/20</a>
Constructional details or processes of manufacture of the non-active parts for miniature batteries or batteries for portable equipment	<a href="#">H01M 2/1022</a>
Structural association with measuring or protective devices or electric components	<a href="#">H02K 11/00</a>
Adaptations of engines for driving pumps, hand-held tools or electric generators; Portable combinations of engines with engine-driven devices	<a href="#">F02B 63/02</a>
Casings or enclosures characterised by the shape, form or construction thereof (i.e. for electric motors)	<a href="#">H02K 5/04</a>
Portable grinding machines, e.g. hand-guided; Accessories therefor - spindle locking device	<a href="#">B24B 23/022</a>
Vibration-dampers; Shock-absorbers	<a href="#">F16F 7/00</a> <a href="#">F16F 7/108</a>
Casting using a mould or core of cylinders, pistons, bearing shells or like thin-walled objects	<a href="#">B22D 15/02</a>

Safety devices acting in conjunction with the control or operation of a machine; Control arrangements requiring the simultaneous use of two or more parts of the body - using both hands	<a href="#">F16P 3/18</a>
Casing of switch constituted by a handle serving a purpose other than the actuation of the switch	<a href="#">H01H 9/06</a>
Details of, or accessories for, spanners, wrenches, screwdrivers - Mechanical overload release couplings	<a href="#">B25B 23/141</a>
Springs	<a href="#">F16F 1/00</a> <a href="#">F16F 1/545</a>
Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries	<a href="#">H02J 7/00</a>
Details of coupling devices	<a href="#">H01R 13/00</a>
Casings or enclosures characterised by the shape, form or construction for cooling	<a href="#">H02K 5/18</a>
Chain saws - devices for vibration damping	<a href="#">B27B 17/0033</a>
Supporting, suspending, or attaching arrangements for lighting devices	<a href="#">F21V 21/00</a>
Component parts such as frames, beds, carriages, headstocks. Weight compensation; Temperature compensation; Vibration damping	<a href="#">B24B 41/007</a>
Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries, charge circuits only	<a href="#">H02J 7/0052</a>
Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries, characterised by	<a href="#">H02J 7/0042</a>

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