

ECLA EUROPEAN CLASSIFICATION

A44B BUTTONS, PINS, BUCKLES, SLIDE FASTENERS, OR THE LIKE (fastenings specially adapted for footwear A43C)

[N: **WARNING** [C2010.03]

The following IPC group is not used in the internal ECLA classification scheme. Subject matter covered by this group is classified in the following ECLA group:

- [A44B1/16](#) covered by [A44B1/14](#)
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Note

This subclass covers buckles or slide fasteners whether used as haberdashery or otherwise.

- A44B1/00** **Buttons** (setting on garments [A41H37/10](#); setting on footwear [A43D100/08](#); making buttons: see the relevant groups in the classes for making articles from particular materials)
- [A44B1/02](#) . characterised by their material
- [A44B1/04](#) . Ornamental buttons
- [A44B1/06](#) . Assembling of buttons (covering by braiding [D04D](#))
- [A44B1/08](#) . Constructional characteristics
- [A44B1/10](#) . . washable
- [A44B1/12](#) . . covered by fabric
- [A44B1/12B](#) . . . [N: with a removable fabric covering]
- [A44B1/12C](#) . . . [N: Manufacture not otherwise provided for]
- [A44B1/14](#) . . with replaceable [N: or protective] coverings [N: (removable fabric coverings [A44B1/12B](#); sleeve-links concealing a sewed-on button [A44B5/00D](#))] [C9909]
- [A44B1/18](#) . adapted for special ways of fastening
- [A44B1/18B](#) . . [N: with quick, thread-like, anchoring means avoiding the use of a separate needle and thread]
- [A44B1/20](#) . . attached by thread visible to the front [N: ([A44B1/18B](#) takes precedence)]
- [A44B1/22](#) . . attached by thread not visible to the front [N: ([A44B1/18B](#) takes precedence)]
- [A44B1/24](#) . . . Eye-buttons
- [A44B1/26](#) . . with resilient shank
- [A44B1/28](#) . . with shank and counterpiece
- [A44B1/30](#) . . . Screw-buttons
- [A44B1/32](#) . . . Shank inserted into counterpiece and locked by sliding or rotating
- [A44B1/34](#) . . . with snap-action counterpiece
- [A44B1/36](#) . . . with counterpiece in the form of cotter, split-pin, or the like

- A44B1/38 . . Clamping by spring action
- A44B1/40 . . with helical wire-shank screwed into material
- A44B1/42 . . with deformable prongs
- A44B1/44 . . with deformable counterpiece

A44B3/00 Collar-studs

- A44B3/02 . completely rigid
- A44B3/04 . with head tiltable as a whole
- A44B3/06 . with head formed as two tiltable flaps
- A44B3/08 . with head and base separable

A44B5/00 Sleeve-links

- A44B5/00B . [N: with head tiltable as a whole]
- A44B5/00C . [N: formed as two tiltable flaps]
- A44B5/00D . [N: concealing a sewed-on button (buttons with replaceable coverings [A44B1/14](#))]
- A44B5/02 . with separable parts

A44B6/00 Retainers or tethers for neckties, cravats, neckerchiefs, or the like, e.g. tie-clips, spring clips with attached tie-tethers, woggles, pins with associated sheathing members tetherable to clothing (tie-pins [A44B9/08](#); decorative or ornamental aspects [A44C](#))

A44B7/00 Cards for buttons, collar-studs, or sleeve-links

A44B9/00 Hat, scarf, or safety pins or the like (decorative or ornamental aspect [A44C](#); hair pins [A45D8/02](#); sewing needles [D05B85/00](#))

- A44B9/02 . Simple pins
- A44B9/04 . . Ordinary pins
- A44B9/06 . . Hat-pins (other fastening means for head coverings [A42B7/00](#))
- A44B9/08 . . Tie-pins (pins with associated sheathing members tetherable to clothing [A44B6/00](#))
- A44B9/10 . . Safety devices
- A44B9/12 . Safety-pins
- A44B9/12B . . [N: made of plastics] [N1204]
- A44B9/14 . . Ordinary safety-pins
- A44B9/16 . . Brooches; Breast-pins
- A44B9/18 . . Hinges; Locking devices

- A44B9/20 . Attaching heads of glass or the like to pin shafts
- A44B11/00 Buckles; Similar fasteners for interconnecting straps or the like, e.g. for safety belts**
- A44B11/00B . [N: Ornamental buckles]
- A44B11/00B2 . . [N: covered with cloth or other material; Making thereof]
- A44B11/00C . [N: Buckles combined with other articles, e.g. with receptacles]
- A44B11/00D . [N: Attachment of buckle to strap (for safety buckles [A44B11/25B8C](#))]
- A44B11/00D2 . . [N: extensible]
- A44B11/02 . frictionally engaging surface of straps
- A44B11/04 . . without movable parts
- A44B11/06 . . with clamping devices
- A44B11/06B . . . [N: with strap tightening means ([A44B11/12B](#) takes precedence; tighteners for securing of load on vehicles [B60P7/08C](#); buckles attached to the end of a strap for bundling articles [B65D63/16](#))]
- A44B11/08 . . . roller displaceable in wedge-shaped slot
- A44B11/10 . . . sliding wedge
- A44B11/12 . . . turnable clamp
- A44B11/12B [N: with strap tightening means]
- A44B11/14 with snap-action
- A44B11/16 . . Strap held by spring action
- A44B11/18 . . Strap held by threading through linked rings
- A44B11/20 . engaging holes or the like in strap
- A44B11/22 . . Buckle with fixed prong
- A44B11/22B . . . [N: fixed on a movable element]
- A44B11/22C . . . [N: with cover plate]
- A44B11/24 . . Buckle with movable prong
- A44B11/25 . with two or more separable parts
- A44B11/25B . . [N: Safety buckles (safety belts in vehicles [B60R22/00](#); safety belts for aircraft [B64D25/02](#))]
- A44B11/25B2 . . . [N: actuated by a push-button]
- A44B11/25B2B [N: acting perpendicularly to the main plane of the buckle, e.g. placed on the front face of the buckle]
- A44B11/25B2C [N: acting parallel to the main plane of the buckle and perpendicularly to the direction of the fastening action]
- A44B11/25B2C2 [N: with two buttons acting in opposite directions]
- A44B11/25B2D [N: acting parallel to the main plane of the buckle and in the same direction as the fastening action]
- A44B11/25B3 . . . [N: with an operating lever]

- A44B11/25B3B [N: acting in the same plane or in a plane parallel to the main plane of the buckle]
- A44B11/25B4 [N: with the sliding motion of the buckle providing the opening or closing action]
- A44B11/25B5 [N: with a pivoting bar retaining a loop of the strap itself]
- A44B11/25B6 [N: actuated by a rotatable element, e.g. combined with other actuating means]
- A44B11/25B8 [N: Details]
- A44B11/25B8B [N: Fastening of other buckle elements to the main buckle (buckles with several tongues released by the same mechanism [A44B11/25B2](#) to [A44B11/25B6](#))]
- A44B11/25B8C [N: Attachment of buckle to strap]
- A44B11/25B8C2 [N: with strap length adjustment]
- A44B11/25B8F [N: Tongue elements]
- A44B11/25B8G [N: Illuminated buckles]
- A44B11/25B10 [N: Safety measures (buckles for releasing in a vehicle emergency [B60R22/32](#); control, alarm, or interlock systems for the correct application of safety belt buckles in vehicles [B60R22/48](#))]
- A44B11/25B10D [N: Locking means preventing an unauthorised opening, e.g. by children]
- A44B11/25B10D2 [N: Buckle covers]
- A44B11/25P . . . [N: fastening by superposing one part on top of the other ([A44B11/25B](#) takes precedence)]
- A44B11/25P2 [N: followed by sliding in the main plane of the buckle]
- A44B11/25P4 [N: combined with one buckle element rotating or pivoting]
- A44B11/25R . . . [N: fastening by sliding in the main plane or a plane parallel to the main plane of the buckle ([A44B11/25B](#), [A44B11/25P2](#) take precedence)]
- A44B11/25R2 [N: the movement being transverse to the longitudinal direction of the strap or chain]
- A44B11/26 . . . with push-button fastenings [N: ([A44B11/25B2](#) takes precedence; press-button fasteners [A44B17/00](#))] [C9409]
- A44B11/26B [N: with a push-button acting perpendicularly to the main plane of the buckle] [N9409]
- A44B11/26C [N: with at least one push-button acting parallel to the main plane of the buckle and perpendicularly to the direction of the fastening action] [N9409]
- A44B11/28 . . . with hooks engaging end-pieces on the strap [N: ([A44B11/25B](#) takes precedence)]

A44B13/00

Hook or eye fasteners

- A44B13/00B . . . [N: characterised by their material ([A44B13/00D](#) and [A44B13/00F](#) take precedence)] [N0509]
- A44B13/00B2 . . . [N: made of wire] [N0509]
- A44B13/00B4 . . . [N: made of metal plate] [N0509]
- A44B13/00B6 . . . [N: made of plastics] [N0509]
- A44B13/00C . . . [N: characterised by their way of fastening to the support ([A44B13/00D](#) and [A44B13/00F](#) take precedence)] [N0509]
- A44B13/00C2 . . . [N: using prongs] [N0509]
- A44B13/00C2B [N: and a backing element on which prongs are bent over] [N0509]
- A44B13/00C4 . . . [N: welded or moulded] [N0509]

- A44B13/00D . [N: Strips of hook or eye fasteners] [N0509]
- A44B13/00F . [N: Eyelets or grommets] [N0509]
- A44B13/00F2 . . [N: characterised by their material] [N0509]
- A44B13/00F2B . . . [N: made of plastics] [N0509]
- A44B13/00F4 . . [N: characterised by their way of fastening to the support] [N0509]
- A44B13/00F4B . . . [N: by riveting] [N0509]
- A44B13/00F4C . . . [N: by separable snap connection] [N0509]
- A44B13/00F4S . . . [N: welded or moulded] [N0509]
- A44B13/02 . with spring closure of hook

A44B15/00 Key-rings

- A44B15/00B . [N: Separable rings]
- A44B15/00C . [N: Fobs]
- A44B15/00T . [N: Openers] [N1204]

A44B17/00 Press-button or snap fasteners

- A44B17/00B . [N: Fastening of press-button fasteners ([A44B17/00C2](#) and [A44B17/00F2](#) take precedence)]
- A44B17/00C . [N: Press-button fasteners in which the elastic retaining action is obtained by a spring working in the plane of the fastener]
- A44B17/00C2 . . [N: Their fastening]
- A44B17/00D . [N: Press-button fasteners in which the elastic retaining action is obtained by the own elasticity of the material constituting the fastener]
- A44B17/00F . [N: Press-button fasteners made of plastics]
- A44B17/00F2 . . [N: Their fastening]
- A44B17/00G . [N: Press-button fasteners consisting of two parts ([A44B17/00F](#) takes precedence)]
- A44B17/00J . [N: Press-button fasteners consisting of three parts ([A44B17/00F](#) takes precedence)]
- A44B17/00K . [N: Press-button fasteners consisting of four parts ([A44B17/00F](#) takes precedence)]
- A44B17/00L . [N: Strips of press-button fasteners]
- A44B17/00M . [N: Details]
- A44B17/00M2 . . [N: Stud-member]
- A44B17/00M4 . . [N: Socket member]
- A44B17/00M6 . . [N: Decoration]

- A44B17/00M8 . . [N: made from sheet metal] [N1204]
- A44B17/00M10 . . [N: made from solid metal] [N1204]

A44B18/00**Fasteners of the touch-and-close type; Making such fasteners (making pile fabrics [D03](#), [D04](#))**

- A44B18/00C . [N: Fastener constructions ([A44B18/00D](#), [A44B18/00F](#) take precedence)] [N9605]
- A44B18/00C2 . . [N: in which each part has similar elements] [N9605]
- A44B18/00C4 . . [N: Female or loop elements ([A44B18/00C2](#) takes precedence)] [N9605]
- A44B18/00C6 . . [N: Male or hook elements ([A44B18/00C2](#) takes precedence)] [N9605]
- A44B18/00C6B . . . [N: of a mushroom type] [N9605]
- A44B18/00D . [N: Woven or knitted fasteners] [N9605]
- A44B18/00D2 . . [N: Devices for cutting loops into hooks (cutting pile loops [D06C13/08](#))] [N9605]
- A44B18/00D4 . . [N: in which each part has similar elements] [N9605]
- A44B18/00D6 . . [N: Female or loop elements ([A44B18/00D4](#) takes precedence)] [N9605]
- A44B18/00D8 . . [N: Male or hook elements ([A44B18/00D4](#) takes precedence)] [N9605]
- A44B18/00D8B . . . [N: of a mushroom type] [N9605]
- A44B18/00F . [N: Fasteners made integrally of plastics] [N9605]
- A44B18/00F2 . . [N: obtained by moulding processes (compression moulding or articles of indefinite length characterised by the shape of the surface [B29C43/22B](#); screen moulding [B29C67/08](#))] [N9605]
- A44B18/00F4 . . [N: in which each part has similar elements] [N9605]
- A44B18/00F6 . . [N: Female or loop elements ([A44B18/00F4](#) takes precedence)] [N9605]
- A44B18/00F8 . . [N: Male or hook elements ([A44B18/00F4](#) takes precedence)] [N9605]
- A44B18/00F8B . . . [N: of a mushroom type] [N9605]
- A44B18/00G . [N: Details] [N9605]
- A44B18/00G2 . . [N: Attaching means] [N9605]
- A44B18/00G4 . . [N: Adaptations for being fixed to a moulded article during moulding] [N9605] [[C9909](#)]
- A44B18/00G6 . . [N: Hooks or loops provided with means to reinforce the attachment, e.g. by adhesive means (tab fastener elements for absorbent pads combining adhesive and mechanical fastening [A61F13/58B](#))] [N9909]
- A44B18/00G8 . . [N: Double-sided] [N1204]
- A44B18/00G10 . . [N: Mixed male and female members] [N1204]
- A44B18/00G12 . . [N: flame retardant] [N1204]
- A44B18/00G14 . . [N: Shape memory materials] [N1204]

A44B19/00**Slide fasteners**

- A44B19/02 . with a series of separate interlocking members secured to each stringer tape
- A44B19/04 . . Stringers arranged edge to edge when fastened, [N : e.g. abutting stringers] [[C0901](#)]
- A44B19/06 . . . with substantially rectangular members having interlocking projections and

- pieces
- A44B19/08 . . Stringers arranged side-by-side when fastened, [N : e.g. at least partially superposed stringers] [C0901]
- A44B19/10 . with a one-piece interlocking member on each stringer tape
- A44B19/12 . . Interlocking member in the shape of a continuous helix
- A44B19/14 . . Interlocking member formed by a profiled or castellated edge
- A44B19/16 . . interlocking member having uniform section throughout the length of the stringer [N: (for sacks or bags B65D33/25A)] [C0810]
- A44B19/18 . with a third member or members, other than the slider, connected to the edges of adjacent stringers when closed, e.g. third member moved into position by a slider
- A44B19/20 . . the third member being embraced by the stringers
- A44B19/22 . . the third member embracing the stringers
- A44B19/24 . Details
- A44B19/26 . . Sliders
- A44B19/26B . . . [N: Pull members; Ornamental attachments for sliders]
- A44B19/26C . . . [N: with means for preventing the accidental intrusion of material into the slider body, e.g. with shield or guard]
- A44B19/26D . . . [N: for slide fasteners with edges of stringers having uniform section throughout the length thereof (for sacks or bags B65D33/25A2)] [C0810]
- A44B19/28 . . . constructed to be removable from at least one stringer; [N: Sliders with movable parts to permit releasing of the slider in the event of jamming or obstruction]
- A44B19/28B [N: Tools for opening or closing slide fasteners]
- A44B19/30 . . . with means for locking in position
- A44B19/30B [N: at the end of their upward travel with any suitable device, e.g. pull member combined with a press-button, a hook, a key-operated lock]
- A44B19/30C [N: Self-locking sliders, e.g. slider body provided with locking projection or groove, friction means]
- A44B19/30D [N: in the form of a locking prong protruding from the pull member]
- A44B19/30F [N: in the form of a locking spring member actuated by the pull member]
- A44B19/30G [N: in the form of a spring-actuated locking member actuated by the pull member]
- A44B19/32 . . Means for making slide fasteners gas or watertight
- A44B19/34 . . Stringer tapes (A44B19/40 takes precedence); Flaps secured to stringers for covering the interlocking members (A44B19/32 takes precedence; [N: setting slide or glide fastener elements on garments A41H37/06])
- A44B19/34B . . . [N: Knitted stringer tapes]
- A44B19/34C . . . [N: Woven stringer tapes (weaving of tapes D03D1/00)]
- A44B19/36 . . Means for permanently uniting the stringers at the end; Means for stopping movement of slider at the end
- A44B19/38 . . Means at the end of stringer by which the slider can be freed from one stringer, e.g. stringers can be completely separated from each other
- A44B19/38B . . . [N: "Two-way" or "double-acting" separable slide fasteners]
- A44B19/38C . . . [N: Separable slide fasteners with quick opening devices]
- A44B19/38C2 [N: Top end stop means for quick opening slide fasteners]

- A44B19/38C4 [N: Bottom end stop means for quick opening slide fasteners]
- A44B19/40 . . Connection of separate, or one-piece, interlocking members to stringer tapes; Reinforcing such connections, e.g. by stitching
- A44B19/40B . . . [N: Connection of separate interlocking members]
- A44B19/40C . . . [N: Connection of one-piece interlocking members]
- A44B19/42 . Making by processes not fully provided for in one other class, e.g. [B21D53/50](#), [B21F45/18](#), [B22D17/16](#), [B29D5/00](#) [N: (attaching closure devices, e.g. slide fasteners, to bags [B31B19/00](#); making package opening by applying or incorporating profile strips, e.g. for reclosable bags [B65B61/18E](#))] [C0810]
- A44B19/44 . . Securing metal interlocking members to ready-made stringer tapes (making metal slide fastener parts combined with attaching [B21D53/52](#))
- A44B19/46 . . . Securing separate interlocking members
- A44B19/48 Arranging interlocking members before securing (article handling devices associated with conveyers in general [B65G47/00](#), e.g. [B65G47/14](#))
- A44B19/50 . . . Securing one-piece interlocking members
- A44B19/52 . . Securing the interlocking members to stringer tapes while making the latter
- A44B19/54 . . . while weaving the stringer tapes
- A44B19/56 . . . while knitting the stringer tapes
- A44B19/58 . . Removing interlocking members to produce gaps
- A44B19/60 . . Applying end stops upon stringer tapes
- A44B19/62 . . Assembling sliders in position on stringer tapes
- A44B19/64 . . . Slider holders for assemblage of slide fasteners
- A44B99/00** **Subject matter not provided for in other groups of this subclass** [N1003]
- A44B99/00C . [N: Turn-button fasteners] [N1003]