

SECTION E — FIXED CONSTRUCTIONS

E05 LOCKS; KEYS; WINDOW OR DOOR FITTINGS; SAFES

E05C BOLTS OR FASTENING DEVICES FOR WINGS, SPECIALLY FOR DOORS OR WINDOWS (latching means for sideboard or tailgate structures for vehicles B62D 33/037; fastening devices for constructional or engineering elements E04, F16B; locks, fastening devices structurally or operatively combined or having significant cooperation with locks E05B; means for operating or controlling wing fasteners in conjunction with mechanisms for moving the wing E05F)

Note(s)

1. In this subclass, only the movement essential for securing the wing is considered, e.g. a sliding bolt which is rotated on its axis to prevent its withdrawal is classified as having only a sliding movement.
2. Attention is drawn to the definitions following the title of class E05.

Subclass index

FASTENING DEVICES

characterised by the way the bolt is moved.....1/00-5/00
 specially for holding wings open.....17/00, 19/00
 specially adapted for two wings.....7/00

ARRANGEMENT OF FASTENING, SECURING, OR LOCKING DEVICES.....9/00, 21/00

Bolts, latches or equivalent wing-fastening devices, characterised by special way of movement, e.g. moving rectilinearly, pivotally or rotatively

1/00 Fastening devices with bolts moving rectilinearly
 (devices released automatically by pull or pressure on the wing E05C 19/02)

- 1/02 • without latching action
- 1/04 • • with operating handle or equivalent member rigid with the bolt
- 1/06 • • with operating handle or equivalent member moving otherwise than rigidly with the bolt
- 1/08 • with latching action
- 1/10 • • with operating handle or equivalent member rigid with the latch
- 1/12 • • with operating handle or equivalent member moving otherwise than rigidly with the latch
- 1/14 • • • the handle or member moving essentially towards, or away from, the plane of the wing or frame
- 1/16 • • • the handle or member moving essentially in a plane substantially parallel to the wing

3/00 Fastening devices with bolts moving pivotally or rotatively (devices released automatically by pull or pressure on the wing E05C 19/02)

- 3/02 • without latching action
- 3/04 • • with operating handle or equivalent member rigid with the bolt
- 3/06 • • with operating handle or equivalent member moving otherwise than rigidly with the bolt
- 3/08 • • • the handle or member moving essentially towards, or away from, the plane of the wing or frame

- 3/10 • • • the handle or member moving essentially in a plane substantially parallel to the wing
- 3/12 • with latching action (devices in which the securing part is formed or merely carried by a spring and moves only by distortion of the spring, e.g. snaps, E05C 19/06)
- 3/14 • • with operating handle or equivalent member rigid with the latch
- 3/16 • • with operating handle or equivalent member moving otherwise than rigidly with the latch
- 3/22 • • • the bolt being spring-controlled
- 3/24 • • • • in the form of a bifurcated member
- 3/26 • • • • engaging a stud-like keeper
- 3/28 • • • • • with simultaneously-operating double bolts
- 3/30 • • • • in the form of a hook
- 3/32 • • • • • engaging a hooked keeper (E05C 3/34 takes precedence)
- 3/34 • • • • • with simultaneously-operating double bolts
- 3/36 • • • • in the form of a rotary gear
- 3/38 • • • • with bolts engaging a hooked keeper (E05C 3/24, E05C 3/30, E05C 3/36 take precedence)
- 3/40 • • • • with bolts engaging a stud-like keeper (E05C 3/24, E05C 3/30, E05C 3/36 take precedence)

5/00 Fastening devices with bolts moving otherwise than only rectilinearly and only pivotally or rotatively
 (devices released automatically by pull or pressure on the wing E05C 19/02)

- 5/02 • both moving axially and turning about their axes to secure the wing

5/04	<ul style="list-style-type: none"> performing both movements simultaneously, e.g. screwing into a keeper 	17/20	<ul style="list-style-type: none"> sliding through a guide (E05C 17/18 takes precedence)
7/00	Fastening devices specially adapted for two wings Note(s) In this group, if a fastening device merely secures one wing to another wing which is already closed it is not regarded as specially adapted for two wings.	17/22	<ul style="list-style-type: none"> with braking, clamping or securing means in the guide [4]
7/02	<ul style="list-style-type: none"> for wings which lie one behind the other when closed 	17/24	<ul style="list-style-type: none"> pivoted at one end, and with the other end running along a guide member
7/04	<ul style="list-style-type: none"> for wings which abut when closed 	17/26	<ul style="list-style-type: none"> with braking, clamping or securing means at the pivot of the rod [4]
7/06	<ul style="list-style-type: none"> a fastening device for one wing being actuated or controlled by closing another wing 	17/28	<ul style="list-style-type: none"> with braking, clamping or securing means at the connection to the guide member [4]
9/00	Arrangement of simultaneously-actuated bolts or other securing devices at well-separated positions on the same wing (essentially involving locking means E05B 63/14; similar constructions for engineering closures for pressure vessels, in general F16J 13/08)	17/30	<ul style="list-style-type: none"> of extensible, e.g. telescopic, construction (flexible members E05C 17/36)
9/02	<ul style="list-style-type: none"> with one sliding bar for fastening when moved in one direction and unfastening when moved in opposite direction; with two sliding bars moved in the same direction when fastening or unfastening [4] 	17/32	<ul style="list-style-type: none"> consisting of two or more pivoted rods
9/04	<ul style="list-style-type: none"> with two sliding bars moved in opposite directions when fastening or unfastening 	17/34	<ul style="list-style-type: none"> with means for holding in more than one position
9/06	<ul style="list-style-type: none"> with three or more sliding bars 	17/36	<ul style="list-style-type: none"> comprising a flexible member, e.g. chains
9/08	<ul style="list-style-type: none"> with a rotary bar for actuating the fastening means 	17/38	<ul style="list-style-type: none"> with a curved rail rigid with the frame for engagement with means on the wing, or <i>vice versa</i>
9/10	<ul style="list-style-type: none"> Actuating mechanisms for bars 	17/40	<ul style="list-style-type: none"> Bars or like parts connecting a right wing with a left wing which move against each other when being closed
9/12	<ul style="list-style-type: none"> with gears and racks 	17/42	<ul style="list-style-type: none"> connecting exterior and interior wings
9/14	<ul style="list-style-type: none"> with pins engaging slots 	17/44	<ul style="list-style-type: none"> with a device carried on the wing for frictional or like engagement with a fixed flat surface, e.g. retractable feet
9/16	<ul style="list-style-type: none"> with crank pins and connecting rods 	17/46	<ul style="list-style-type: none"> in which the wing or a member fixed thereon is engaged by a movable fastening member in a fixed position; in which a movable fastening member mounted on the wing engages a stationary member [4]
9/18	<ul style="list-style-type: none"> Details of fastening means or of fixed retaining means for the ends of bars 	17/48	<ul style="list-style-type: none"> comprising a sliding securing member
9/20	<ul style="list-style-type: none"> Coupling means for sliding bars, rods, or cables [4] 	17/50	<ul style="list-style-type: none"> comprising a single pivoted securing member
9/22	<ul style="list-style-type: none"> Guides for sliding bars, rods, or cables (corner guides E05C 9/24) [4] 	17/52	<ul style="list-style-type: none"> comprising a snap, catch, or the like
9/24	<ul style="list-style-type: none"> Means for transmitting movements between vertical and horizontal sliding bars, rods, or cables, e.g. corner guides (means for transmitting movements between vertical and horizontal sliding bars, rods, or cables, for moving wings into open or closed position E05F 7/08) [4] 	17/54	<ul style="list-style-type: none"> Portable devices, e.g. wedges
17/00	Devices for holding wings open; Devices for limiting opening of wings or for holding wings open by a movable member extending between frame and wing; Braking devices, stops or buffers, combined therewith (combined with hinges E05D 11/00; combined with operating apparatus for wings E05F; other braking devices, stops, buffers E05F 5/00) [4]	17/56	<ul style="list-style-type: none"> by magnetic or electromagnetic attraction (operation of locks or fasteners by electric or magnetic means E05B 47/00) [2]
17/02	<ul style="list-style-type: none"> by mechanical means (E05C 17/60 takes precedence) [4] 	17/58	<ul style="list-style-type: none"> operated or controlled from a distance
17/04	<ul style="list-style-type: none"> with a movable bar or equivalent member extending between frame and wing 	17/60	<ul style="list-style-type: none"> holding sliding wings open [4]
17/06	<ul style="list-style-type: none"> releasable to allow further opening only when the wing is nearly closed 	17/62	<ul style="list-style-type: none"> using notches [4]
17/08	<ul style="list-style-type: none"> with special means for release, e.g. automatic release by further opening 	17/64	<ul style="list-style-type: none"> by friction [4]
17/10	<ul style="list-style-type: none"> incorporating a special device for securing the wing in the closed position 	19/00	Other devices specially designed for securing wings (movable draft sealings additionally used for bolting E06B 7/18) [2]
17/12	<ul style="list-style-type: none"> consisting of a single rod 	19/02	<ul style="list-style-type: none"> Automatic catches, i.e. released by pull or pressure on the wing (E05C 19/06 takes precedence)
17/14	<ul style="list-style-type: none"> Hook and eye, or equivalent 	19/04	<ul style="list-style-type: none"> Ball or roller catches
17/16	<ul style="list-style-type: none"> pivoted only at one end and having an elongated slot 	19/06	<ul style="list-style-type: none"> in which the securing part is formed or carried by a spring and moves only by distortion of the spring, e.g. snaps
17/18	<ul style="list-style-type: none"> pivoted only at one end and having a row of holes, notches, or pins 	19/08	<ul style="list-style-type: none"> Hasps; Hasp fastenings; Spring catches therefor
		19/10	<ul style="list-style-type: none"> Hook fastenings; Fastenings in which a link engages a fixed hook-like member
		19/12	<ul style="list-style-type: none"> pivotally mounted
		19/14	<ul style="list-style-type: none"> with toggle action
		19/16	<ul style="list-style-type: none"> Devices holding the wing by magnetic or electromagnetic attraction
		19/18	<ul style="list-style-type: none"> Portable devices specially adapted for securing wings (preventing operation of handles E05B 13/00)
		21/00	Arrangement or combinations of wing fastening, securing, or holding devices, not covered by any single one of main groups E05C 1/00-E05C 19/00
		21/02	<ul style="list-style-type: none"> for holding a wing closed only