

Symbol	Typ	Titel
E	Sektion	FIXED CONSTRUCTIONS
E05	Klasse	LOCKS; KEYS; WINDOW OR DOOR FITTINGS; SAFES
E05F	Unterklasse	DEVICES FOR MOVING WINGS INTO OPEN OR CLOSED POSITION; CHECKS FOR WINGS; WING FITTINGS NOT OTHERWISE PROVIDED FOR, CONCERNED WITH THE FUNCTIONING OF THE WING
E05F 1/00	Hauptgruppe	Closers or openers for wings, not otherwise provided for in this subclass
E05F 1/02	1-Punkt Untergruppe	. gravity-actuated
E05F 1/04	2-Punkt Untergruppe	. . for wings which lift during movement
E05F 1/06	3-Punkt Untergruppe	. . . Mechanisms in the shape of hinges or pivots, operated by the weight of the wing
E05F 1/08	1-Punkt Untergruppe	. spring-actuated
E05F 1/10	2-Punkt Untergruppe	. . for swinging wings
E05F 1/12	3-Punkt Untergruppe	. . . Mechanisms in the shape of hinges or pivots, operated by springs
E05F 1/14	3-Punkt Untergruppe	. . . with double-acting springs, e.g. for closing and opening or checking and closing
E05F 1/16	2-Punkt Untergruppe	. . for sliding wings [4]
E05F 3/00	Hauptgruppe	Closers or openers with braking devices, e.g. checks; Construction of pneumatic or liquid braking devices (construction of non-pneumatic or non-liquid braking devices E05F 5/00; friction devices in hinges E05D 11/08)
E05F 3/02	1-Punkt Untergruppe	. with pneumatic piston brakes (rotary type E05F 3/14)
E05F 3/04	1-Punkt Untergruppe	. with liquid piston brakes (rotary type E05F 3/14)
E05F 3/06	2-Punkt Untergruppe	. . in which a torsion spring rotates a member around an axis perpendicular to the axis of the piston
E05F 3/08	2-Punkt Untergruppe	. . in which a torsion spring rotates a member around an axis arranged in the direction of the axis of the piston
E05F 3/10	2-Punkt Untergruppe	. . with a spring, other than a torsion spring, and a piston, the axes of which are the same or lie in the same direction
E05F 3/12	2-Punkt Untergruppe	. . Special devices controlling the circulation of the liquid, e.g. valve arrangement (valves per se F16K)
E05F 3/14	1-Punkt Untergruppe	. with fluid brakes of the rotary type
E05F 3/16	1-Punkt Untergruppe	. with friction brakes
E05F 3/18	1-Punkt Untergruppe	. with counteracting springs (double-acting springs E05F 1/14)
E05F 3/20	1-Punkt Untergruppe	. in hinges
E05F 3/22	1-Punkt Untergruppe	. Additional arrangements for closers, e.g. for holding the wing in opened or other position
E05F 5/00	Hauptgruppe	Braking devices, e.g. checks; Stops; Buffers (construction of pneumatic or liquid braking devices E05F 3/00; combined with devices for holding wings open E05C 17/00; devices for limiting opening of wings or for holding wings open by a movable member extending between frame and wing E05C 17/04) [4]
E05F 5/02	1-Punkt Untergruppe	. specially for preventing the slamming of wings
E05F 5/04	2-Punkt Untergruppe	. . hand-operated; operated by centrifugal action
E05F 5/06	1-Punkt Untergruppe	. Buffers (E05F 5/02 takes precedence)

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E05F 5/08	2-Punkt Untergruppe	. . with springs
E05F 5/10	2-Punkt Untergruppe	. . with piston brakes
E05F 5/12	1-Punkt Untergruppe	. specially for preventing the closing of a wing before another wing has been closed
E05F 7/00	Hauptgruppe	Miscellaneous accessories for wings (specially adapted for furniture A47B 95/00; door-lifters B66F , E04F 21/00; knobs or handles E05B) [2]
E05F 7/02	1-Punkt Untergruppe	. for raising wings before being turned
E05F 7/04	1-Punkt Untergruppe	. Arrangements affording protection against rattling (with buffering action E05F 5/00)
E05F 7/06	1-Punkt Untergruppe	. Devices for taking the weight of the wing, arranged away from the hinge axis
E05F 7/08	1-Punkt Untergruppe	. Means for transmitting movements between vertical and horizontal sliding bars, rods, or cables (means for transmitting movements between vertical and horizontal sliding bars, rods, or cables, for the fastening of wings E05C 9/24)
		<u>Operating mechanisms for wings (for safeguarding bank teller windows E05G 5/00; for interconnected louvres E06B 7/086; for blinds or roll-type closures E06B 9/00) [2]</u>
E05F 9/00	Hauptgruppe	Means for operating wings by hand rods not guided in or on the frame, including those which also operate the fastening (bolts or fastening devices for wings E05C)
E05F 11/00	Hauptgruppe	Man-operated mechanisms for operating wings, including those which also operate the fastening (connecting mechanisms for a plurality of wings E05F 17/00)
E05F 11/02	1-Punkt Untergruppe	. for wings in general, e.g. fanlights (E05F 11/36 takes precedence; for windows to be lowered vertically E05F 11/38; for doors E05F 11/54)
E05F 11/04	2-Punkt Untergruppe	. . with cords, chains, or cables
E05F 11/06	3-Punkt Untergruppe	. . . in guide-channels
E05F 11/08	2-Punkt Untergruppe	. . with longitudinally-moving bars guided, e.g. by pivoted links, in or on the frame
E05F 11/10	3-Punkt Untergruppe	. . . Mechanisms by which a handle moves the bar
E05F 11/12	3-Punkt Untergruppe	. . . Mechanisms by which the bar shifts the wing
E05F 11/14	4-Punkt Untergruppe directly, i.e. without links, shifting the wing, e.g. by rack-and-gear or pin-and-slot
E05F 11/16	4-Punkt Untergruppe shifting the wing by pivotally-connected members moving in a plane perpendicular to the pivot axis of the wing
E05F 11/18	5-Punkt Untergruppe consisting of a lever, e.g. an angle lever, only
E05F 11/20	5-Punkt Untergruppe consisting of a lever, e.g. an angle lever, and only one additional link
E05F 11/22	5-Punkt Untergruppe consisting of a lever, e.g. an angle lever, and two or more additional links in series
E05F 11/24	4-Punkt Untergruppe shifting the wing by pivotally-connected members moving in a plane parallel to the pivot axis of the wing
E05F 11/26	5-Punkt Untergruppe consisting of a lever, e.g. an angle lever, only
E05F 11/28	5-Punkt Untergruppe consisting of a lever, e.g. an angle lever, and one or more additional links
E05F 11/30	5-Punkt Untergruppe consisting of links in rhomb form
E05F 11/32	2-Punkt Untergruppe	. . with rotary bars guided in the frame (E05F 11/34 takes precedence)
E05F 11/34	2-Punkt Untergruppe	. . with screw mechanisms
E05F 11/36	1-Punkt Untergruppe	. specially designed for passing through a wall

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E05F 11/38	1-Punkt Untergruppe	. for sliding windows, e.g. vehicle windows, to be opened or closed by vertical movement
E05F 11/40	2-Punkt Untergruppe	. . operated by screw mechanism
E05F 11/42	2-Punkt Untergruppe	. . operated by rack bars and toothed wheels
E05F 11/44	2-Punkt Untergruppe	. . operated by one or more lifting arms
E05F 11/46	2-Punkt Untergruppe	. . operated by lazy-tongs mechanism
E05F 11/48	2-Punkt Untergruppe	. . operated by cords or chains
E05F 11/50	2-Punkt Untergruppe	. . Crank gear with clutches or retaining brakes, for operating window mechanisms
E05F 11/52	2-Punkt Untergruppe	. . combined with means for producing an additional movement, e.g. a horizontal or a rotary movement
E05F 11/53	1-Punkt Untergruppe	. for sliding windows, e.g. vehicle windows, to be opened or closed by horizontal movement [2]
E05F 11/54	1-Punkt Untergruppe	. for doors
E05F 13/00	Hauptgruppe	Mechanisms operated by the movement or weight of a person or vehicle (through power-operated wing-operating mechanisms E05F 15/00)
E05F 13/02	1-Punkt Untergruppe	. by devices, e.g. lever arms, affected by the movement of the user
E05F 13/04	1-Punkt Untergruppe	. by platforms lowered by the weight of the user
E05F 15/00	Hauptgruppe	Power-operated mechanisms for wings
E05F 15/02	1-Punkt Untergruppe	. with pressure medium
E05F 15/04	2-Punkt Untergruppe	. . for swinging wings
E05F 15/06	2-Punkt Untergruppe	. . for horizontally-sliding wings
E05F 15/08	2-Punkt Untergruppe	. . for vertically-sliding wings
E05F 15/10	1-Punkt Untergruppe	. with rotary electromotors
E05F 15/12	2-Punkt Untergruppe	. . for swinging wings
E05F 15/14	2-Punkt Untergruppe	. . for horizontally-sliding wings
E05F 15/16	2-Punkt Untergruppe	. . for vertically-sliding wings
E05F 15/18	1-Punkt Untergruppe	. with other electrical means, e.g. solenoids
E05F 15/20	1-Punkt Untergruppe	. controlled by automatically-acting means, e.g. by photocells, by electric waves, by thermostats, by rain, by fire
E05F 17/00	Hauptgruppe	Special devices for shifting a plurality of wings operated simultaneously (for simultaneously moving a plurality of interconnected ventilating lamellae E06B 7/086) [2]