

ECLA EUROPEAN CLASSIFICATION

- E06C LADDERS** ([E04F11/00](#) takes precedence; step-stools [A47C12/00](#); adaptation of ladders to use on ships [B63B](#), to use on aircraft [B64](#); scaffolding [E04G](#))
- E06C1/00 Ladders in general** (mounted on undercarriages or vehicles [E06C5/00](#); permanently attached to fixed structures [E06C9/00](#))
- E06C1/00B . [N: Ladders in use as furniture or ladders in relation to furniture, e.g. in cupboards (step-stools, chairs or benches requiring conversion between the step and seat functions [A47C12/02](#))]
- E06C1/02 . with rigid longitudinal member or members
- E06C1/04 . . Ladders for resting against objects, e.g. walls poles, trees (supports for ladder heads [E06C7/48](#))
- E06C1/06 . . . in one piece
- E06C1/08 . . . multi-part [N: ([E06C1/32](#) takes precedence)] [C9606]
- E06C1/10 Sections fitted end to end
- E06C1/12 extensible, e.g. telescopic
- E06C1/12A [N: with tubular longitudinal members nested within each other] [N0705]
- E06C1/14 . . Ladders capable of standing by themselves
- E06C1/16 . . . with [N: hinged] struts which rest on the ground (with struts rigid with the ladder [E06C1/24](#); having platforms [E06C1/39](#)) [C0501]
- E06C1/18 with supporting struts formed as ladders [N: ([E06C1/32](#) takes precedence)] [C9606]
- E06C1/20 with supporting struts formed as poles [N: (stabilising struts [E06C7/42A](#))] [C0501]
- E06C1/22 with extensible, e.g. telescopic, ladder parts or struts
- E06C1/24 . . . [N: Non-hinged] free-standing ladders [C0501]
- E06C1/26 in one piece
- E06C1/28 multi-part (with movable supporting struts formed as ladders [E06C1/18](#))
- E06C1/30 extensible, e.g. telescopic
- E06C1/32 . . Ladders with a strut which is formed as a ladder and can be secured in line with the ladder
- E06C1/34 . . Ladders attached to structures, such as windows, cornices, poles, or the like ([N: [E06C9/12](#) takes precedence]; ladders permanently fastened to buildings [E06C9/00](#), [N: e.g. climbing irons [E06C9/04](#)]) [C0311]
- E06C1/34A . . . [N: specially adapted to be installed parallel to the roof surface] [N1204]
- E06C1/36 . . . Ladders suspendable by hooks or the like [N: (ladderhooks [E06C7/50A](#))] [M1207]
- E06C1/38 . . Special constructions of ladders, e.g. ladders with more or less than two longitudinal members, ladders with movable rungs or other treads, longitudinally-foldable ladders
- E06C1/38A . . . [N: Ladders with rungs or treads attached only to one rigid longitudinal member][N0504]
- E06C1/38T . . . [N: Tripod ladders] [N1204]

- E06C1/383 . . . Foldable ladders in which the longitudinal members are brought together on folding [N: (E06C9/08B takes precedence)] [C0311]
- E06C1/383C [N: having collapsible steps comprising a hinge in their central part] [N1204]
- E06C1/387 . . . having tip-up steps
- E06C1/39 . . . Ladders having platforms; Ladders changeable into platforms (platforms for use on ladders E06C7/16)
- E06C1/393 Ladders having platforms foldable with the ladder
- E06C1/397 . . . characterised by having wheels, rollers, or runners

- E06C1/52 . with non-rigid longitudinal members
- E06C1/52B . . [N: made of a continuous strip of material] [N1204]
- E06C1/54 . . of the lazy-tongs type
- E06C1/56 . . Rope or chain ladders

- E06C1/58 . with both rigid and non-rigid longitudinal members

- E06C5/00** **Ladders characterised by being mounted on undercarriages or vehicles Securing ladders on vehicles** (ladders having wheels, rollers, or runners E06C1/397) [N: ladders on boats B63B27/14]

- E06C5/02 . with rigid longitudinal members
- E06C5/04 . . capable of being elevated or extended [N: Fastening means during transport, e.g. mechanical, hydraulic]
- E06C5/06 . . . by piston and cylinder, or equivalent means, operated by a pressure medium
- E06C5/08 derived directly from a pressure reservoir
- E06C5/10 charged by a pump or compressor driven by the motor of the vehicle or another motor on the vehicle
- E06C5/12 derived directly from a pump or compressor
- E06C5/14 driven by the motor of the vehicle or another motor on the vehicle
- E06C5/16 . . . using mechanical transmission only, with or without fluid or other non-mechanical couplings or clutches
- E06C5/18 using power from the motor of the vehicle or another motor
- E06C5/20 using hand-power (hand-operated extending means carried by the ladder E06C7/04)
- E06C5/22 . . . by, or with the assistance of, springs (E06C5/06, E06C5/16 take precedence)
- E06C5/24 . . Dismounting ladders from vehicles [N: or supporting means]

- E06C5/26 . with non-rigid longitudinal members
- E06C5/28 . . of the lazy-tongs type
- E06C5/30 . . formed of links which reinforce themselves against each other

- E06C5/32 . Accessories [N: e.g. brakes on ladders]
- E06C5/34 . . Indicating devices
- E06C5/36 . . Safety devices against slipping or falling of ladders; Safety device against overloading ladders
- E06C5/38 . . Devices for blocking the springs of the vehicle; Devices for supporting the undercarriage directly from the ground

- E06C5/40 . . Devices for canting ladders laterally
 - E06C5/42 . . Devices for altering inclination; Latching devices therefor [N: [Balancing arrangements](#)]
 - E06C5/44 . . Other accessories on ladders, e.g. acoustical signalling devices, dismantable switchboards
- E06C7/00 Component parts, supporting parts, or accessories**
- E06C7/00A . [N: [Indicating devices, e.g. user warnings or inclinators](#)] [N0501]
 - E06C7/00B . [N: [Devices for preventing access](#)] [N0501]
 - E06C7/02 . Extending means ([for ladders mounted on undercarriages or vehicles E06C5/00](#))
 - E06C7/04 . . Hand-operated extending means carried by the ladder
 - E06C7/06 . Securing devices or hooks for parts of extensible ladders
 - E06C7/08 . Special construction of longitudinal members, or rungs or other treads
 - E06C7/08A . . [N: [Rungs or other treads comprising anti-slip features](#)] [N1204]
 - E06C7/08C . . [N: [Connections between rungs or treads and longitudinal members](#)] [N1204]
 - E06C7/08C1 . . . [N: [Bracket type connection](#)] [N1204]
 - E06C7/08C2 . . . [N: [Rungs comprising projecting tabs or flanges](#)] [N1204]
 - E06C7/08C3 . . . [N: [achieved by deforming the rung or the stile; E06C7/08C2 takes precedence](#)] [N1204]
 - E06C7/08C4 . . . [N: [with a connecting piece inserted in a hollow rung; E06C7/08C6 takes precedence](#)] [N1204]
 - E06C7/08C5 . . . [N: [with a connecting piece installed around the rung](#)] [N1204]
 - E06C7/08C6 . . . [N: [with tie rods parallel to the rungs](#)] [N1204]
 - E06C7/10 . Reinforcements for ladders
 - E06C7/12 . Lifts or other hoisting devices on ladders
 - E06C7/14 . Holders for pails or other equipment on or for ladders
 - E06C7/14A . . [N: [specially adapted to be inserted into the end of a hollow rung](#)] [N1204]
 - E06C7/14B . . [N: [made from wire; E06C7/14A takes precedence](#)] [N1204]
 - E06C7/16 . Platforms on, or for use on, ladders, e.g. liftable or lowerable platforms ([aspects relating to the lifting B66F](#))
 - E06C7/16A . . [N: [specially adapted to be fixed to only one rung](#)] [N1204]
 - E06C7/18 . Devices for preventing persons from falling ([life-saving belts A62B1/16](#)) [N: [Safety devices for window-cleaners A47L3/00](#)]
 - E06C7/18B . . [N: [Additional gripping devices, e.g. handrails](#)] [N0501]
 - E06C7/18B1 . . . [N: [situated at the top of the ladder](#)] [N0501]
 - E06C7/18B2 . . . [N: [situated along the ladder](#)] [N0501]
 - E06C7/18C . . [N: [Devices providing a back support to a person on the ladder, e.g. cages](#)] [N0501]

- E06C7/18D . . [N: Rail or rope for guiding a safety attachment, e.g. a fall arrest system] [N0501]
- E06C7/18D1 . . . [N: Guiding rail] [N0501]
- E06C7/18E . . [N: Accessories for temporary stabilising a ladder, e.g. temporary attaching devices (ladder feet or struts [E06C7/42](#), ladder heads [E06C7/48](#))] [N0501]

- E06C7/42 . Ladder feet; Supports therefor (for scaffold elements [E04G5/02](#))
- E06C7/42A . . [N: Ladder stabilising struts] [N0501]
- E06C7/42B . . [N: Height adjustable supports for receiving both ladder feet] [N1204]
- E06C7/44 . . Means for mounting ladders on uneven ground
- E06C7/46 . . Non-skid equipment

- E06C7/48 . Ladder heads; Supports for heads of ladders for resting against objects [N: ladders attachable to structures such as poles [E06C1/34](#)]
- E06C7/48A . . [N: Supports specially adapted for resting the ladder against or in a corner] [N1204]
- E06C7/48B . . [N: Supports specially adapted for use with a wall opening, e.g. windows] [N1204]
- E06C7/48C . . [N: Supports specially adapted to support a ladder on a gutter] [N1204]
- E06C7/48D . . [N: Supports specially adapted to attach a ladder to a ridge of a roof] [N1204]

- E06C7/50 . Joints or other connecting parts
- E06C7/50A . . [N: Anchors being adapted to fix a ladder to a vertical structure, e.g. ladder hooks] [N1204]

- E06C9/00** **Ladders characterised by being permanently attached to fixed structures, e.g. fire escapes (movable stairways [E04F11/04](#); [N: means for facilitating access to swimming pools [E04H4/14C](#)]) [C9410]**

- E06C9/02 . rigidly mounted
- E06C9/04 . . in the form of climbing irons or the like [N: (built-in climbing irons for poles [A63B27/00](#); built-in climbing devices as construction element [E04F11/00](#))] [C0311]

- E06C9/06 . movably mounted
- E06C9/08 . . with rigid longitudinal members
- E06C9/08B . . . [N: ladders unfolded in the direction of the longitudinal members]
- E06C9/10 . . . forming part of a building, such as a balcony grid, window grid, or other window part [N: with non-rigid longitudinal members [E06C9/14](#)]
- E06C9/12 . . . laterally displaceable [C9608]
- E06C9/14 . . with non-rigid longitudinal members, e.g. rope or chain ladders, ladders of the lazy-tongs type