

ECLA EUROPEAN CLASSIFICATION

E FIXED CONSTRUCTIONS

SUBSECTION: Building

- E01 CONSTRUCTION OF ROADS, RAILWAYS, OR BRIDGES** (of tunnels [E21D](#))
- E01B PERMANENT WAY; PERMANENT-WAY TOOLS; MACHINES FOR MAKING RAILWAYS OF ALL KINDS** (derailing or rerailing blocks on track, track brakes or retarders B61K)
- E01C CONSTRUCTION OF, OR SURFACES FOR, ROADS, SPORTS GROUNDS, OR THE LIKE; MACHINES OR AUXILIARY TOOLS FOR CONSTRUCTION OR REPAIR** (forming roads or like surfaces by compacting or grading snow or ice E01H)
- E01D CONSTRUCTION OF BRIDGES, [N: ELEVATED ROADWAYS] OR VIADUCTS; ASSEMBLY OF BRIDGES** (bridges extending between terminal buildings and aircraft for embarking or disembarking passengers [B64F1/305](#); [N: tracks for special kinds of railways [E01B25/00](#); culverts [E01F5/00B](#)])
- E01F ADDITIONAL WORK, SUCH AS EQUIPPING ROADS OR THE CONSTRUCTION OF PLATFORMS, HELICOPTER LANDING STAGES, SIGNS, SNOW FENCES, OR THE LIKE**
- E01H STREET CLEANING; CLEANING OF PERMANENT WAYS; CLEANING BEACHES; DISPERSING [N: or preventing] FOG IN GENERAL** [N: Cleaning street or railway furniture or tunnel walls] (cleaning in general [B08B](#))
- E02 HYDRAULIC ENGINEERING; FOUNDATIONS; SOIL SHIFTING**
- E02B HYDRAULIC ENGINEERING** (ship-lifting E02C; dredging E02F)
- E02C SHIP-LIFTING DEVICES OR MECHANISMS**
- E02D FOUNDATIONS; EXCAVATIONS, EMBANKMENTS** (specially adapted for hydraulic engineering E02B); UNDERGROUND OR UNDERWATER

STRUCTURE (tunnels, tunnelling, mining E21)

E02F **DREDGING; SOIL-SHIFTING** (winning peat [E21C49/00](#))

E03 WATER SUPPLY; SEWERAGE

E03B **INSTALLATIONS OR METHODS FOR OBTAINING, COLLECTING, OR DISTRIBUTING WATER** (drilling wells, obtaining fluids in general from wells [E21B](#); pipe-line systems in general [F17D](#))

E03C **DOMESTIC PLUMBING INSTALLATIONS FOR FRESH WATER OR WASTE WATER** (not connected to either water-supply main or to waste pipe [A47K](#); devices of the kind used in the ground [E03B](#), F); **SINKS**

E03D **WATER-CLOSETS OR URINALS WITH FLUSHING DEVICES; FLUSHING VALVES THEREFOR**

E03F **SEWERS; CESSPOOLS**

E04 BUILDING (layered materials, layered products in general [B32B](#))

E04B **GENERAL BUILDING CONSTRUCTIONS; WALLS, e.g. PARTITIONS; ROOFS; FLOORS; CEILINGS; INSULATION OR OTHER PROTECTION OF BUILDINGS** (border constructions of opening in walls, floors or ceilings [E06B1/00](#); [N: electromagnetic shielding [H05K9/00A1](#)])

E04C **STRUCTURAL ELEMENTS; BUILDING MATERIALS** (for bridges [E01D](#); specially designed for insulation or other protection [E04B](#); elements used as building aids [E04G](#); for mining [E21](#); for tunnels [E21D](#); structural elements with broader range of application than for building engineering [F16](#), particularly [F16S](#))

E04D **ROOF COVERINGS; SKY-LIGHTS; GUTTERS; ROOF-WORKING TOOLS** (coverings of outer walls by plaster or other porous material [E04F13/00](#))

E04F **FINISHING WORK ON BUILDINGS, e.g. STAIRS, FLOORS** (windows, doors [E06B](#))

E04G **SCAFFOLDING; FORMS; SHUTTERING; BUILDING IMPLEMENTS OR OTHER BUILDING AIDS, OR THEIR USE; HANDLING BUILDING MATERIALS ON THE SITE; REPAIRING, BREAKING-UP OR OTHER**

WORK ON EXISTING BUILDINGS

E04H **BUILDINGS OR LIKE STRUCTURES FOR PARTICULAR PURPOSES; SWIMMING OR SPLASH BATHS OR POOLS; MASTS; FENCING; TENTS OR CANOPIES, IN GENERAL (foundations E02D)**

E05 **LOCKS; KEYS; WINDOW OR DOOR FITTINGS; SAFES**

Note

In this class, the following terms are used with the meanings indicated :

- "Wing" is a general term for swingable, slidable, or otherwise movable doors or windows. This term also includes other movable structures such as drawers, lids of chests, car boots, or car bonnets, to which the operating, mounting, latching, or locking means covered by this class may be applied;
- "Frame" means any member to which a wing may be held by a fastening device. It does not include a framework forming part of the wing, but it may be another wing;
- "Lock" means primarily a device for releasing or securing any member, which requires a key or a permutation mechanism for release. In groups [E05B1/00](#) to [E05B9/00](#), [E05B13/00](#) to [E05B17/00](#), [E05B39/00](#) to [E05B47/00](#), [E05B51/00](#), [E05B53/00](#), [E05B63/00](#) and [E05B65/00](#) however, the term "lock" may include other fastening devices;
- "Bolt" means a sliding, pivoted, or otherwise movable member such as is normally carried by a door to hold it shut by engagement with a keeper on the frame. It may be operated by hand directly or through mechanism or by a key; it may be a latch (see (5) below);
- "Latch" means a bolt arranged to be moved to the releasing position against the force of a spring, or some other returning force, when a wing meets the frame on closing, so that it does not have to be operated by hand to secure the wing, but only to open it;
- "Hasp" means a member hinged to the frame or wing so that it can be moved towards the face of the wing or frame and secured thereto, e.g. by a turn-button, by a padlock and staple.

E05B **LOCKS; ACCESSORIES THEREFOR; HANDCUFFS**

E05C **BOLTS OR FASTENING DEVICES FOR WINGS, SPECIALLY FOR DOORS OR WINDOWS** (latching means for sideboard or tailgate structures for vehicles B62D, [N: [B62D33/02](#)]; 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)

E05D **HINGES OR OTHER SUSPENSION DEVICES FOR DOORS, WINDOWS OR WINGS** ([N: foldable tables [A47B3/00](#); hinged panels [A47B5/00](#); foldable chairs [A47C4/00](#); making hinges [B21D53/40](#), [B21K13/02](#); making holes for taking-up fittings [B27F5/12](#); for vehicle tailboards [B60P1/00D](#); for refuse receptacles [B65F1/16E](#)]; pivotal connections in general [F16C11/00](#); mounting of stove or range doors [F24C15/02B2](#); for

folding flat displays of portable computers [G06F1/16P2H](#)) [[C9801](#)]

- E05F** **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**

- E05G** **SAFES OR STRONG-ROOMS FOR VALUABLES; BANK PROTECTION DEVICES; SAFETY TRANSACTION PARTITIONS** ([N: devices to prevent theft of bags, trunks or baskets [A45C13/18](#);) alarm arrangements per se [G08B](#)) [[C9410](#)]

- E06** **DOORS, WINDOWS, SHUTTERS, OR ROLLER BLINDS IN GENERAL; LADDERS**

- E06B** **FIXED OR MOVABLE CLOSURES FOR OPENINGS IN BUILDINGS, VEHICLES, FENCES OR LIKE ENCLOSURES IN GENERAL, e.g. DOORS, WINDOWS, BLINDS, GATES** (shades or blinds for greenhouses [A01G9/22](#); curtains [A47H](#); lids for car boots or bonnets [B62D25/10](#); skylights [E04B7/18](#); sunshades, awnings [E04F10/00](#))

- 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](#))

SUBSECTION: Earth drilling; mining

- E21** **EARTH DRILLING; MINING**

- E21B** **EARTH DRILLING, e.g. DEEP DRILLING (mining, quarrying [E21C](#); making shafts, driving galleries or tunnels [E21D](#)); OBTAINING OIL, GAS, WATER, SOLUBLE OR MELTABLE MATERIALS OR A SLURRY OF MINERALS FROM WELLS**

- E21C** **MINING OR QUARRYING**

- E21D** **SHAFTS; TUNNELS; GALLERIES; LARGE UNDERGROUND CHAMBERS** (soil-conditioning or soil-stabilising materials [C09K17/00](#); drilling or cutting machines for mining or quarrying [E21C](#); safety devices, transport, rescue, ventilation or drainage [E21F](#))

- E21F** **SAFETY DEVICES, TRANSPORT, FILLING-UP, RESCUE, VENTILATION, OR DRAINING IN OR OF MINES OR TUNNELS**