

| Symbol | Typ | Titel |
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| E | Sektion | FIXED CONSTRUCTIONS |
| E01 | Untersektion | BUILDING |
| E01 | Klasse | CONSTRUCTION OF ROADS, RAILWAYS, OR BRIDGES (of tunnels E21D) |
| E01C | Unterklasse | CONSTRUCTION OF, OR SURFACES FOR, ROADS, SPORTS GROUNDS, OR THE LIKE; MACHINES OR AUXILIARY TOOLS FOR CONSTRUCTION OR REPAIR (forming road or like surfaces by compacting or grading snow or ice E01H) |
| E01C 1/00 | Hauptgruppe | Design or layout of roads, e.g. for noise abatement, for gas absorption (design or layout of sports grounds A63C 19/00; design or layout of airfields B64F) |
| E01C 1/02 | 1-Punkt Untergruppe | . Crossings, junctions, or interconnections between roads on the same level |
| E01C 1/04 | 1-Punkt Untergruppe | . Road crossings on different levels; Interconnections between roads on different levels |
| | | <u>Structure of roads, playgrounds, sports grounds, airfields</u> |
| E01C 3/00 | Hauptgruppe | Foundations for pavings (specially adapted for playgrounds or sports grounds E01C 13/02; foundations in general E02D) |
| E01C 3/02 | 1-Punkt Untergruppe | . Concrete base for bituminous paving |
| E01C 3/04 | 1-Punkt Untergruppe | . Foundations produced by soil stabilisation |
| E01C 3/06 | 1-Punkt Untergruppe | . Methods or arrangements for protecting foundations from destructive influences of moisture, frost or vibration |
| E01C 5/00 | Hauptgruppe | Pavings made of prefabricated single units (specially adapted for playgrounds or sports grounds E01C 13/04 , for footpaths, sidewalks or cycle tracks E01C 15/00; making artificial stones C04B; building stones E04C; flooring E04F) |
| E01C 5/02 | 1-Punkt Untergruppe | . made of natural stones, e.g. sett stones |
| E01C 5/04 | 1-Punkt Untergruppe | . made of bricks |
| E01C 5/06 | 1-Punkt Untergruppe | . made of units with cement or like binders |
| E01C 5/08 | 2-Punkt Untergruppe | .. Reinforced units |
| E01C 5/10 | 3-Punkt Untergruppe | ... Prestressed reinforced units |
| E01C 5/12 | 1-Punkt Untergruppe | . made of units with bituminous binders |
| E01C 5/14 | 1-Punkt Untergruppe | . made of wooden units |
| E01C 5/16 | 1-Punkt Untergruppe | . made of metallic units (steel gratings E01C 9/10) |
| E01C 5/18 | 1-Punkt Untergruppe | . made of rubber units |
| E01C 5/20 | 1-Punkt Untergruppe | . made of units of plastics (E01C 5/18 takes precedence) |
| E01C 5/22 | 1-Punkt Untergruppe | . made of units composed of a mixture of materials covered by two or more of groups E01C 5/02 to E01C 5/20 |
| E01C 7/00 | Hauptgruppe | Coherent pavings made in situ (specially adapted for playgrounds or sports grounds E01C 13/06 , for footpaths, sidewalks or cycle tracks E01C 15/00) |
| E01C 7/02 | 1-Punkt Untergruppe | . made of road-metal without binders |
| E01C 7/04 | 2-Punkt Untergruppe | .. of broken stones, gravel, or like materials |
| E01C 7/06 | 2-Punkt Untergruppe | .. by melting, burning, or vitrifying road-metal in situ |
| E01C 7/08 | 1-Punkt Untergruppe | . made of road-metal and binders |

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| E01C 7/10 | 2-Punkt Untergruppe | ... of road-metal and cement or like binders (cement or like binders, composition of mortars C04B) |
| E01C 7/12 | 3-Punkt Untergruppe | ... Mortar-bound paving |
| E01C 7/14 | 3-Punkt Untergruppe | ... Concrete paving |
| E01C 7/16 | 4-Punkt Untergruppe | Prestressed concrete paving |
| E01C 7/18 | 2-Punkt Untergruppe | ... of road-metal and bituminous binders |
| E01C 7/20 | 3-Punkt Untergruppe | ... Binder incorporated in cold state, e.g. natural asphalt |
| E01C 7/22 | 3-Punkt Untergruppe | ... Binder incorporated in hot state, e.g. heated bitumen |
| E01C 7/24 | 3-Punkt Untergruppe | ... Binder incorporated as an emulsion or solution (making dispersions or emulsions for road building C04B) |
| E01C 7/26 | 3-Punkt Untergruppe | ... mixed with other materials, e.g. cement, rubber, leather, fibre |
| E01C 7/30 | 2-Punkt Untergruppe | ... of road-metal and other binders, e.g. synthetic material |
| E01C 7/32 | 2-Punkt Untergruppe | ... of courses of different kind made in situ |
| E01C 7/34 | 3-Punkt Untergruppe | ... made of several courses which are not bound to each other |
| E01C 7/35 | 2-Punkt Untergruppe | ... Topping or surface dressings; Methods of mixing, impregnating, or spreading them |
| E01C 7/36 | 1-Punkt Untergruppe | . by subjecting soil to stabilisation |
| E01C 9/00 | Hauptgruppe | Special pavings (specially adapted for playgrounds or sports grounds E01C 13/00 , for footpaths, sidewalks or cycle tracks E01C 15/00); Pavings for special parts of roads or airfields (pavement lights E01C 17/00; manholes or like covers or frames E02D 29/14) |
| E01C 9/02 | 1-Punkt Untergruppe | . Wheel tracks (rail tracks for guiding vehicles E01B 25/28) |
| E01C 9/04 | 1-Punkt Untergruppe | . Pavings for railroad level-crossings |
| E01C 9/06 | 1-Punkt Untergruppe | . Pavings adjacent tramways rails |
| E01C 9/08 | 1-Punkt Untergruppe | . Temporary pavings (steel gratings E01C 9/10) |
| E01C 9/10 | 1-Punkt Untergruppe | . Steel gratings (gully gratings E03F 5/06; as building elements in general E04C) |
| E01C 11/00 | Hauptgruppe | Details of pavings |
| E01C 11/02 | 1-Punkt Untergruppe | . Arrangement or construction of joints; Methods of making joints; Packing for joints (sealing joints not restricted to road or airfield paving E04B 1/68) |
| E01C 11/04 | 2-Punkt Untergruppe | ... for cement concrete paving |
| E01C 11/06 | 3-Punkt Untergruppe | ... Methods of making joints |
| E01C 11/08 | 3-Punkt Untergruppe | ... Packing of metal |
| E01C 11/10 | 3-Punkt Untergruppe | ... Packing of plastic or elastic materials |
| E01C 11/12 | 3-Punkt Untergruppe | ... Packing of metal and plastic or elastic materials |
| E01C 11/14 | 3-Punkt Untergruppe | ... Dowel assembly |
| E01C 11/16 | 1-Punkt Untergruppe | . Reinforcements (for building in general E04C) |
| E01C 11/18 | 2-Punkt Untergruppe | ... for cement concrete pavings |
| E01C 11/20 | 3-Punkt Untergruppe | ... for prestressed concrete pavings |

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| E01C 11/22 | 1-Punkt Untergruppe | . Gutters; Kerbs (kerbs specially adapted for informing road users E01F 9/053) |
| E01C 11/24 | 1-Punkt Untergruppe | . Methods or arrangements for preventing slipperiness or protecting against influences of the weather |
| E01C 11/26 | 2-Punkt Untergruppe | ... Permanently-installed heating or blowing devices |
| E01C 13/00 | Hauptgruppe | Pavings or foundations specially adapted for playgrounds or sports grounds (general layout A63C 19/00) |
| E01C 13/02 | 1-Punkt Untergruppe | . Foundations, e.g. with drainage or heating arrangements [6] |
| E01C 13/04 | 1-Punkt Untergruppe | . Pavings made of prefabricated single units (E01C 13/08 , E01C 13/10 take precedence) [6] |
| E01C 13/06 | 1-Punkt Untergruppe | . Pavings made in situ (E01C 13/08 , E01C 13/10 take precedence) [6] |
| E01C 13/08 | 1-Punkt Untergruppe | . Surfaces simulating grass [6] |
| E01C 13/10 | 1-Punkt Untergruppe | . Artificial surfaces for outdoor or indoor practice of snow or ice sports (E01C 13/08 takes precedence) [6] |
| E01C 13/12 | 2-Punkt Untergruppe | ... for snow sports [6] |
| E01C 15/00 | Hauptgruppe | Pavings specially adapted for footpaths, sidewalks, or cycle tracks |
| E01C 17/00 | Hauptgruppe | Pavement lights, i.e. translucent constructions forming part of the surface (blocks specially designed for marking roads E01F 9/04) <u>Machines, tools, or auxiliary devices for constructing or repairing the surfacing of roads or like structures (constructing the road bed E02D , E02F)</u> |
| E01C 19/00 | Hauptgruppe | Machines, tools, or auxiliary devices for preparing or distributing paving materials, for working the placed materials, or for forming, consolidating, or finishing the paving (surface stabilisation E01C 21/00; apparatus specially adapted for reconditioning or repairing paving E01C 23/00) |
| E01C 19/02 | 1-Punkt Untergruppe | . for preparing the materials |
| E01C 19/05 | 2-Punkt Untergruppe | ... Crushing, pulverising, or disintegrating apparatus (in general B02C); Aggregate screening, cleaning, or heating apparatus |
| E01C 19/08 | 2-Punkt Untergruppe | ... Apparatus for transporting and melting asphalt, bitumen, tar, or the like (stationarily-arranged melting boilers for tar, asphalt, or the like, in general C10C 3/12) |
| E01C 19/10 | 2-Punkt Untergruppe | ... Apparatus or plants for premixing or precoating aggregate or fillers with non-hydraulic binders, e.g. with bitumen, with resins; Apparatus for premixing non-hydraulic mixtures prior to placing or for reconditioning salvaged non-hydraulic compositions |
| E01C 19/12 | 1-Punkt Untergruppe | . for distributing granular or liquid materials (E01C 23/07 takes precedence; for filling joints or grooves E01C 23/02 , E01C 23/09) |
| E01C 19/15 | 2-Punkt Untergruppe | ... for laying-down uncoated stone or similar materials, or for striking-off or spreading same without compacting, e.g. for crushed rock base courses, sand cushions for paving (E01C 19/52 takes precedence; distributing E01C 19/20) |
| E01C 19/16 | 2-Punkt Untergruppe | ... for applying or spreading liquid materials, e.g. bitumen slurries (E01C 19/45 , E01C 23/02 , E01C 23/03 , E01C 23/16 take precedence; spraying or spreading liquids or other fluent materials to surfaces in general B05) |
| E01C 19/17 | 3-Punkt Untergruppe | ... Application by spraying |
| E01C 19/18 | 2-Punkt Untergruppe | ... Devices for distributing road-metals mixed with binders, e.g. cement, bitumen, without consolidating or ironing effect (E01C 19/20 , E01C 19/47 take precedence; conveying installations for concrete or the like B65G) |
| E01C 19/20 | 2-Punkt Untergruppe | ... Apparatus for distributing, e.g. spreading, granular or pulverulent materials, e.g. sand, gravel, salt, dry binders (fertiliser distributors A01C 15/00) |
| E01C 19/21 | 2-Punkt Untergruppe | ... for simultaneously but separately applying liquid material and granular or pulverulent material, e.g. bitumen and grit, with or without spreading |

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| E01C 19/22 | 1-Punkt Untergruppe | . for consolidating or finishing laid-down unset materials (E01C 23/02 takes precedence; apparatus for generating vibrations in general B06B) |
| E01C 19/23 | 2-Punkt Untergruppe | ... Rollers therefor; Such rollers usable also for compacting soil (E01C 19/43 takes precedence; specially adapted for agricultural purposes A01B 29/00; garden rollers A01G 1/12; making or maintaining surfaces of snow or ice E01H 4/00; solely for soil compaction E02D 3/026) |
| E01C 19/24 | 3-Punkt Untergruppe | ... hand propelled (E01C 19/27 to E01C 19/29 take precedence) |
| E01C 19/25 | 3-Punkt Untergruppe | ... propelled by animals or vehicles (E01C 19/26 to E01C 19/29 take precedence) |
| E01C 19/26 | 3-Punkt Untergruppe | ... self-propelled or fitted to road vehicles (E01C 19/27 to E01C 19/29 take precedence) |
| E01C 19/27 | 3-Punkt Untergruppe | ... with elastically-deformable rolling elements, e.g. pneumatic tyres (vibrating or impacting E01C 19/28) |
| E01C 19/28 | 3-Punkt Untergruppe | ... Vibrated rollers or rollers subjected to impacts, e.g. hammering blows (E01C 19/29 takes precedence) |
| E01C 19/29 | 3-Punkt Untergruppe | ... Rolling apparatus adapted to apply a rolling pressure less than its weight, e.g. roller finishers travelling on formrails |
| E01C 19/30 | 2-Punkt Untergruppe | ... Tamping or vibrating apparatus other than rollers (E01C 23/02 , E01C 23/04 take precedence; vibrated depositing devices E01C 19/12; tamping or vibrating rollers E01C 19/28; portable percussion tools in general B25D; tamping or vibrating soil in general E02D 3/046) |
| E01C 19/32 | 3-Punkt Untergruppe | ... Hand-held hand-actuated rammers or tampers |
| E01C 19/34 | 3-Punkt Untergruppe | ... Power-driven rammers or tampers |
| E01C 19/35 | 4-Punkt Untergruppe | Hand-held or hand-guided tools (E01C 19/36 to E01C 19/40 take precedence) |
| E01C 19/36 | 4-Punkt Untergruppe | with direct-acting explosion chambers |
| E01C 19/38 | 4-Punkt Untergruppe | with means specifically for generating vibrations |
| E01C 19/40 | 4-Punkt Untergruppe | adapted to impart a smooth finish to the paving, e.g. tamping or vibrating finishers |
| E01C 19/41 | 2-Punkt Untergruppe | .. Apparatus having both rolling tools and ramming, tamping, or vibrating tools |
| E01C 19/42 | 2-Punkt Untergruppe | .. Machines for imparting a smooth finish to freshly-laid paving courses other than by rolling, tamping, or vibrating (for distributing only E01C 19/12) |
| E01C 19/43 | 2-Punkt Untergruppe | .. Machines or arrangements for roughening or patterning freshly-laid paving courses, e.g. indenting rollers |
| E01C 19/44 | 2-Punkt Untergruppe | .. Hand-actuated tools other than rollers, dampers, or vibrators, specially adapted for imparting a required surface finish to freshly-laid paving courses (E01C 19/43 takes precedence) |
| E01C 19/45 | 1-Punkt Untergruppe | . Portable apparatus for preparing, or for preparing and applying to the road, compound liquid binders, e.g. emulsified bitumen, fluxed asphalt (applying only E01C 19/16) |
| E01C 19/46 | 1-Punkt Untergruppe | . for preparing and placing the materials (E01C 19/45 takes precedence; making surfaces by mixing borrowed aggregate with binders E01C 21/00) |
| E01C 19/47 | 2-Punkt Untergruppe | .. Hydraulic cement concrete mixers combined with distributing means specially adapted for road building (concrete mixers per se B28C) |
| E01C 19/48 | 1-Punkt Untergruppe | . for laying-down the materials and consolidating them, or finishing the surface |
| E01C 19/50 | 1-Punkt Untergruppe | . Removable forms or shutterings for road-building purposes (E01C 23/02 , E01C 23/04 take precedence; permanent forms E01C 3/00 to E01C 7/00; slip forms E01C 19/48); Devices or arrangements for forming individual paving elements, e.g. kerbs, in situ |
| E01C 19/52 | 1-Punkt Untergruppe | . Apparatus for laying individual preformed surface elements, e.g. kerbs (preforming and placing continuous strip E01C 19/46; forming paving elements in situ E01C 19/50) |

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| E01C 21/00 | Hauptgruppe | Apparatus or processes for surface stabilisation for road building or like purposes, e.g. mixing borrowed aggregate with binder (stabilising soil under existing surfacing E01C 23/10; soil-conditioning or soil-stabilising materials C09K 17/00; soil-consolidation in general E02D 3/12) |
| E01C 21/02 | 1-Punkt Untergruppe | . Fusing, calcining, or burning soil in situ |
| E01C 23/00 | Hauptgruppe | Auxiliary devices or arrangements for constructing, repairing, reconditioning, or taking-up road or like surfaces (apparatus for reconditioning of salvaged non-hydraulic compositions E01C 19/10) |
| E01C 23/01 | 1-Punkt Untergruppe | . Devices or auxiliary means for setting-out or checking the configuration of new surfacing, e.g. templates, screed supports (form rails E01C 19/50); Applications of apparatus for measuring, indicating, or recording the surface configuration of existing surfacing, e.g. profilographs (E01C 23/07 takes precedence; measuring roughness or irregularity in general G01B) |
| E01C 23/02 | 1-Punkt Untergruppe | . Devices for making, treating, or filling grooves or like channels in not-yet-hardened paving, e.g. for joints or markings (surface patterning E01C 19/43); Removable forms therefor (non-removable forms E01C 11/02); Devices for introducing inserts or removable insert-supports in not-yet-hardened paving (E01C 23/04 takes precedence; non-removable insert supports E01C 11/02) |
| E01C 23/03 | 1-Punkt Untergruppe | . Arrangements for curing paving; Devices for applying curing means; Devices for laying prefabricated underlay, e.g. sheets, membranes (reinforcing elements E01C 23/04); Protecting paving under construction or while curing, e.g. use of tents (road barriers E01F 13/00) |
| E01C 23/04 | 1-Punkt Untergruppe | . Devices for laying reinforcing elements or dowel bars; Removable supports for reinforcing elements (non-removable supports therefor E01C 11/16; side forms adapted to supporting reinforcement E01C 19/50); Devices, e.g. removable forms, for making essentially horizontal ducts in paving, e.g. for prestressed reinforcement |
| E01C 23/05 | 1-Punkt Untergruppe | . Devices for installing or removing forms |
| E01C 23/06 | 1-Punkt Untergruppe | . Devices or arrangements for working the finished surface (working freshly-laid paving E01C 19/42 to E01C 19/44, E01C 23/02; mining picks E21C 35/18); Devices for repairing the surface of damaged paving [6] |
| E01C 23/07 | 2-Punkt Untergruppe | .. Apparatus combining measurement of the surface configuration of paving with application of material in proportion to the measured irregularities (measuring means only E01C 23/01) |
| E01C 23/08 | 2-Punkt Untergruppe | .. for roughening or patterning; for removing high spots or material bonded to the surface, e.g. markings (removing matter not bonded to the surface E01H 1/00; roughening or detaching ice E01H 5/12) |
| E01C 23/082 | 3-Punkt Untergruppe | ... using non-powered tools [6] |
| E01C 23/085 | 3-Punkt Untergruppe | ... using power-driven tools, e.g. vibratory tools [6] |
| E01C 23/088 | 4-Punkt Untergruppe | Rotary tools, e.g. milling drums [6] |
| E01C 23/09 | 2-Punkt Untergruppe | .. for forming cuts, grooves, or recesses, e.g. for making joints or channels for markings, for cutting-out sections to be removed; for cleaning, treating, or filling cuts, grooves, recesses, or fissures; for trimming paving edges |
| E01C 23/10 | 2-Punkt Untergruppe | .. for raising or levelling sunken paving; for filling voids under paving; for introducing material into substructure (consolidating soil in general E02D 3/12) |
| E01C 23/12 | 2-Punkt Untergruppe | .. for taking-up, tearing-up, or breaking-up paving (adapted to both placing and removing paving E01C 19/52) |
| E01C 23/14 | 1-Punkt Untergruppe | . for heating or drying foundation, paving, or materials thereon, e.g. paint (E01C 23/03 takes precedence; heating or drying devices incorporated in the paving E01C 11/26; surface stabilisation by fusing, calcining, or burning soil in situ E01C 21/02; for street cleaning E01H 1/08; melting snow or ice on surfacing E01H 5/10) |
| E01C 23/16 | 1-Punkt Untergruppe | . Devices for marking-out, applying, or forming traffic or like markings on finished paving (E01C 23/14 takes precedence; inserting or forming in not-yet-hardened paving E01C 23/02, in recesses formed in fully-set paving E01C 23/09; marking-out playing courts or playgrounds A63C 19/06; applying liquids or other fluent materials to surfaces in general B05; road surface markings per se E01F 9/04); Protecting fresh markings |
| E01C 23/18 | 2-Punkt Untergruppe | .. for applying prefabricated markings [6] |

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| E01C 23/20 | 2-Punkt Untergruppe | ... for forming markings in situ [6] |
| E01C 23/22 | 3-Punkt Untergruppe | ... by spraying [6] |
| E01C 23/24 | 3-Punkt Untergruppe | ... by pouring [6] |