| Symbol | Typ | Titel |
|---|---|---|
| **B** | **Sektion** | **SECTION B — PERFORMING OPERATIONS; TRANSPORTING** |
| **B60** | **Untersektion** | **TRANSPORTING** |
| **B60** | **Klasse** | **VEHICLES IN GENERAL** |
| **B60B** | **Unterklasse** | **VEHICLE WHEELS; CASTORS; AXLES; INCREASING WHEEL ADHESION** |
| | | **Wheels (wheels for roller skates A63C 17/22; making wheels or wheel parts by rolling B21H 1/00, by forging, hammering, or pressing B21K 1/28)** |
| **B60B 1/00** | **Hauptgruppe** | **Spoked wheels; Spokes thereof (non-metallic B60B 5/00) [2]** |
| B60B 1/02 | 1-Punkt Untergruppe | . Wheels with wire or other tension spokes |
| B60B 1/04 | 2-Punkt Untergruppe | . . Attaching spokes to rim or hub |
| B60B 1/06 | 1-Punkt Untergruppe | . Wheels with compression spokes (wheels of high resiliency B60B 9/00) |
| B60B 1/08 | 2-Punkt Untergruppe | . . formed by casting |
| B60B 1/10 | 2-Punkt Untergruppe | . . fabricated from sheet metal (B60B 1/12, B60B 3/08 take precedence) |
| B60B 1/12 | 2-Punkt Untergruppe | . . with tubular spokes (B60B 1/08 takes precedence) |
| B60B 1/14 | 2-Punkt Untergruppe | . . Attaching spokes to rim or hub |
| **B60B 3/00** | **Hauptgruppe** | **Disc wheels, i.e. wheels with load-supporting disc body (non-metallic B60B 5/00; wheel cover discs B60B 7/00)** |
| B60B 3/02 | 1-Punkt Untergruppe | . with a single disc body integral with rim |
| B60B 3/04 | 1-Punkt Untergruppe | . with a single disc body not integral with rim |
| B60B 3/06 | 1-Punkt Untergruppe | . formed by casting |
| B60B 3/08 | 1-Punkt Untergruppe | . with disc body formed by two or more axially- spaced discs |
| B60B 3/10 | 1-Punkt Untergruppe | . apertured to simulate spoked wheels |
| B60B 3/12 | 1-Punkt Untergruppe | . Means of reinforcing disc bodies |
| B60B 3/14 | 1-Punkt Untergruppe | . Attaching disc body to hub (resiliently B60B 9/00; attaching rim to wheel body B60B 23/00) |
| B60B 3/16 | 2-Punkt Untergruppe | . . by bolts or the like |
| B60B 3/18 | 2-Punkt Untergruppe | . . by circlips or the like |
| **B60B 5/00** | **Hauptgruppe** | **Wheels, spokes, disc bodies, rims, hubs, wholly or predominantly made of non-metallic material ( wheel cover discs B60B 7/00; wheels of high resiliency B60B 9/00)** |
| B60B 5/02 | 1-Punkt Untergruppe | . made of synthetic material |
| B60B 5/04 | 1-Punkt Untergruppe | . made of wood |
| **B60B 7/00** | **Hauptgruppe** | **Wheel cover discs, rings, or the like, for ornamenting, protecting, or obscuring, wholly or in part, the wheel body, rim, hub, or tyre sidewall [2, 5]** |
| B60B 7/01 | 1-Punkt Untergruppe | . Rings specially adapted for covering only the wheel rim or the tyre sidewall, e.g. removable tyre sidewall trim rings [5] |
| B60B 7/02 | 1-Punkt Untergruppe | . made essentially in one part (B60B 7/01 takes precedence) [5] |
| B60B 7/04 | 1-Punkt Untergruppe | . built-up of several main parts (B60B 7/01, B60B 7/20 take precedence) [5] |
| B60B 7/06 | 1-Punkt Untergruppe | . Fastening arrangements therefor (B60B 7/01, B60B 7/16 take precedence) [5] |

| Symbol | Typ | Titel |
|---|---|---|
| B60B 7/08 | 2-Punkt Untergruppe | . . having gripping elements consisting of formations integral with the cover [5] |
| B60B 7/10 | 2-Punkt Untergruppe | . . comprising a plurality of spaced spring clips individually mounted on the cover, e.g. riveted, welded or readily releasable [5] |
| B60B 7/12 | 2-Punkt Untergruppe | . . comprising an annular spring or gripping element mounted on the cover (B60B 7/08 takes precedence) [5] |
| B60B 7/14 | 2-Punkt Untergruppe | . . comprising screw-threaded means [5] |
| B60B 7/16 | 1-Punkt Untergruppe | . Anti-theft devices [5] |
| B60B 7/18 | 1-Punkt Untergruppe | . simulating spoked or wire wheel [5] |
| B60B 7/20 | 1-Punkt Untergruppe | . having an element mounted for rotation independently of wheel rotation [5] |
| **B60B 9/00** | **Hauptgruppe** | **Wheels of high resiliency** |
| B60B 9/02 | 1-Punkt Untergruppe | . using springs (wheels comprising resilient spokes B60B 9/26) |
| B60B 9/04 | 2-Punkt Untergruppe | . . in leaf form |
| B60B 9/06 | 2-Punkt Untergruppe | . . in helical form |
| B60B 9/08 | 2-Punkt Untergruppe | . . in flat coiled form |
| B60B 9/10 | 2-Punkt Untergruppe | . . of rubber or the like |
| B60B 9/12 | 3-Punkt Untergruppe | . . . in the form of sleeves or rings concentric with wheel axis |
| B60B 9/14 | 3-Punkt Untergruppe | . . . with means limiting relative lateral movements between hub and remainder of wheel |
| B60B 9/16 | 3-Punkt Untergruppe | . . . modified to ensure electric conductivity |
| B60B 9/18 | 1-Punkt Untergruppe | . using fluid (within spokes B60B 9/26) |
| B60B 9/20 | 2-Punkt Untergruppe | . . in rings concentric with wheel axis |
| B60B 9/22 | 3-Punkt Untergruppe | . . . inflatable |
| B60B 9/24 | 2-Punkt Untergruppe | . . with pistons and cylinders |
| B60B 9/26 | 1-Punkt Untergruppe | . comprising resilient spokes |
| B60B 9/28 | 2-Punkt Untergruppe | . . with telescopic action |
| **B60B 11/00** | **Hauptgruppe** | **Units comprising multiple wheels arranged side by side; Wheels having more than one rim or capable of carrying more than one tyre** |
| B60B 11/02 | 1-Punkt Untergruppe | . Units of separate wheels mounted for independent or coupled rotation |
| B60B 11/04 | 1-Punkt Untergruppe | . Wheels with a rim capable of carrying more than one tyre |
| B60B 11/06 | 1-Punkt Untergruppe | . Wheels with more than one rim mounted on a single wheel body |
| B60B 11/08 | 1-Punkt Untergruppe | . Arrangements of balancing mechanisms enabling a uniform distribution of load to the tyres |
| B60B 11/10 | 1-Punkt Untergruppe | . Emergency wheels (tyres collapsible into storage or non-use condition B60C 3/08; tyres characterised by means enabling restricted operation in damaged or deflated condition B60C 17/00) [5] |
| **B60B 15/00** | **Hauptgruppe** | **Wheels or wheel attachments designed for increasing traction (vehicle tyres B60C; non-skid devices temporarily attachable to resilient tyres or resiliently-tyred wheels B60C 27/00)** |
| B60B 15/02 | 1-Punkt Untergruppe | . Wheels with spade lugs |
| B60B 15/04 | 2-Punkt Untergruppe | . . with resiliently-mounted spade lugs |

| Symbol | Typ | Titel |
|---|---|---|
| B60B 15/06 | 2-Punkt Untergruppe | . . with pivotally-mounted spade lugs |
| B60B 15/08 | 2-Punkt Untergruppe | . . with spade lugs axially displaced relatively to the tread surface of the tyre |
| B60B 15/10 | 2-Punkt Untergruppe | . . with radially-adjustable spade lugs; Control mechanisms therefor |
| B60B 15/12 | 3-Punkt Untergruppe | . . . involving cams or eccentric hoops |
| B60B 15/14 | 3-Punkt Untergruppe | . . . involving an axially-displaceable cone |
| B60B 15/16 | 3-Punkt Untergruppe | . . . involving gearing, e.g. gear pinions acting upon threaded shafts on the spade lugs |
| B60B 15/18 | 1-Punkt Untergruppe | . Wheels with ground-engaging plate-like shoes |
| B60B 15/20 | 2-Punkt Untergruppe | . . with resiliently-mounted shoes, e.g. on a spider |
| B60B 15/22 | 2-Punkt Untergruppe | . . connected by links to the hub |
| B60B 15/24 | 1-Punkt Untergruppe | . Tread bands or rings for fairing lugs when travelling on the road |
| B60B 15/26 | 1-Punkt Untergruppe | . Auxiliary wheels or rings with traction-increasing surface attachable to the main wheel body |
| B60B 15/28 | 1-Punkt Untergruppe | . Wheel-ballasting weights; Their attachment |
| **B60B 17/00** | **Hauptgruppe** | **Wheels characterised by rail-engaging elements (of model railways A63H 19/22) [2]** |
| B60B 17/02 | 1-Punkt Untergruppe | . with elastic tyres |
| **B60B 19/00** | **Hauptgruppe** | **Wheels not otherwise provided for or having characteristics specified in one of the subgroups of this group** |
| B60B 19/02 | 1-Punkt Untergruppe | . convertible, e.g. from road wheel to rail wheel; Wheels specially designed for alternative use on road and rail |
| B60B 19/04 | 1-Punkt Untergruppe | . expansible |
| B60B 19/06 | 1-Punkt Untergruppe | . with compartments for fluid, packing, or loading material; Buoyant wheels |
| B60B 19/08 | 1-Punkt Untergruppe | . with lubricating passages, channels, or reservoirs |
| B60B 19/10 | 1-Punkt Untergruppe | . with cooling fins |
| B60B 19/12 | 1-Punkt Untergruppe | . Roller-type wheels (B60B 19/06 takes precedence) |
| B60B 19/14 | 1-Punkt Untergruppe | . Ball-type wheels (B60B 19/06 takes precedence) |
| | | **Rims; Hubs** |
| **B60B 21/00** | **Hauptgruppe** | **Rims (non-metallic B60B 5/00; of high resiliency B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C)** |
| B60B 21/02 | 1-Punkt Untergruppe | . characterised by transverse section |
| B60B 21/04 | 2-Punkt Untergruppe | . . with substantially-radial flanges (with rail-engaging flanges B60B 17/00) |
| B60B 21/06 | 1-Punkt Untergruppe | . characterised by means for attaching spokes |
| B60B 21/08 | 1-Punkt Untergruppe | . characterised by having braking surfaces |
| B60B 21/10 | 1-Punkt Untergruppe | . characterised by the form of tyre-seat or flange, e.g. corrugated (B60B 21/02 takes precedence) |
| B60B 21/12 | 1-Punkt Untergruppe | . Accessories, e.g. lining bands |
| **B60B 23/00** | **Hauptgruppe** | **Attaching rim to wheel body (attaching spokes to rim B60B 1/04, B60B 1/14; attaching rims resiliently to wheel body B60B 9/00)** |
| B60B 23/02 | 1-Punkt Untergruppe | . by split or other expansible ring devices |

| Symbol | Typ | Titel |
|---|---|---|
| B60B 23/04 | 1-Punkt Untergruppe | . by bayonet-joint, screw-thread, or like attachments |
| B60B 23/06 | 1-Punkt Untergruppe | . by screws, bolts, pins, or clips |
| B60B 23/08 | 2-Punkt Untergruppe | . . arranged radially |
| B60B 23/10 | 2-Punkt Untergruppe | . . arranged axially |
| B60B 23/12 | 1-Punkt Untergruppe | . by devices arranged to permit variation of axial position of rim relative to wheel body for track- width adjustment |
| **B60B 25/00** | **Hauptgruppe** | **Rims built-up of several main parts (tools for assembling divided rims B60B 31/04)** |
| B60B 25/02 | 1-Punkt Untergruppe | . Segmented rims, e.g. with segments arranged in sections; Connecting equipment, e.g. hinges; Insertable flange rings therefor |
| B60B 25/04 | 1-Punkt Untergruppe | . Rims with dismountable flange rings, seat rings, or lock rings |
| B60B 25/06 | 2-Punkt Untergruppe | . . Split flange rings, e.g. transversely split; Connecting equipment for overlapping the slot |
| B60B 25/08 | 2-Punkt Untergruppe | . . Continuous flange rings; Arrangement of recesses enabling the flange ring to be slipped over the rim body |
| B60B 25/10 | 2-Punkt Untergruppe | . . Seat rings for the tyre bead part, e.g. split |
| B60B 25/12 | 3-Punkt Untergruppe | . . . with integral flange part |
| B60B 25/14 | 2-Punkt Untergruppe | . . Locking means for flange rings or seat rings |
| B60B 25/16 | 3-Punkt Untergruppe | . . . Arrangement of bayonet catches |
| B60B 25/18 | 3-Punkt Untergruppe | . . . Arrangement of split rings |
| B60B 25/20 | 3-Punkt Untergruppe | . . . Arrangement of screw, bolts, or shouldered pins |
| B60B 25/22 | 1-Punkt Untergruppe | . Other accessories, e.g. for sealing the component parts enabling the use of tubeless tyres |
| **B60B 27/00** | **Hauptgruppe** | **Hubs (non-metallic B60B 5/00; of high resiliency B60B 9/00)** |
| B60B 27/02 | 1-Punkt Untergruppe | . adapted to be rotatably arranged on axle |
| B60B 27/04 | 2-Punkt Untergruppe | . . housing driving means, e.g. sprockets |
| B60B 27/06 | 1-Punkt Untergruppe | . adapted to be fixed on axle |
| | | **Apparatus or tools for mounting, holding or assembling wheels (hand tools in general B25; tools for mounting tyres B60C 25/00; joining wheel units to motor vehicles or trailers during manufacturing, e.g. assembling, B62D 65/12)** |
| **B60B 29/00** | **Hauptgruppe** | **Apparatus or tools for mounting or dismounting wheels (characterised by the means for holding the wheels B60B 30/00) [5]** |
| **B60B 30/00** | **Hauptgruppe** | **Means for holding wheels or parts thereof (spare wheel stowing, holding or mounting arrangements on vehicles B62D 43/00) [5]** |
| B60B 30/02 | 1-Punkt Untergruppe | . engaging the tyre, e.g. the tyre being mounted on the wheel rim [5] |
| B60B 30/04 | 2-Punkt Untergruppe | . . the tyre not being mounted on a rim, i.e. holders or supports for tyres alone [5] |
| B60B 30/06 | 1-Punkt Untergruppe | . engaging the wheel body, e.g. the rim [5] |
| B60B 30/08 | 2-Punkt Untergruppe | . . the central part of the wheel body [5] |
| B60B 30/10 | 1-Punkt Untergruppe | . characterised by being provided on a dolly [5] |
| **B60B 31/00** | **Hauptgruppe** | **Apparatus or tools for assembling or disassembling wheels** |
| B60B 31/02 | 1-Punkt Untergruppe | . for tightening or straightening wire spokes in situ; for extracting spokes from wheels |

| Symbol | Typ | Titel |
|---|---|---|
| B60B 31/04 | 1-Punkt Untergruppe | . for assembling divided rims |
| B60B 31/06 | 1-Punkt Untergruppe | . for removing or attaching cover discs, hub caps, or the like [2] |
| **B60B 33/00** | **Hauptgruppe** | **Castors in general (castors for large containers B65D 90/18)** |
| B60B 33/02 | 1-Punkt Untergruppe | . with disengageable swivel action |
| B60B 33/04 | 1-Punkt Untergruppe | . adjustable |
| B60B 33/06 | 2-Punkt Untergruppe | . . mounted retractably |
| B60B 33/08 | 1-Punkt Untergruppe | . Ball castors |
| **B60B 35/00** | **Hauptgruppe** | **Axle units; Parts thereof (resilient suspension of a rigid axle or axle housing B60G 9/00; steerable vehicle stub-axles B62D)** |
| B60B 35/02 | 1-Punkt Untergruppe | . Dead axles, i.e. not transmitting torque (axle housings for torque transmitting elements B60B 35/16) |
| B60B 35/04 | 2-Punkt Untergruppe | . . straight |
| B60B 35/06 | 2-Punkt Untergruppe | . . cranked |
| B60B 35/08 | 2-Punkt Untergruppe | . . of closed hollow section |
| B60B 35/10 | 2-Punkt Untergruppe | . . adjustable for varying track |
| B60B 35/12 | 1-Punkt Untergruppe | . Torque-transmitting axles |
| B60B 35/14 | 2-Punkt Untergruppe | . . composite or split, e.g. half-axles; Couplings between axle parts or sections (B60G 3/24 takes precedence) |
| B60B 35/16 | 2-Punkt Untergruppe | . . characterised by the axle housings for the torque transmitting elements, e.g. for shafts |
| B60B 35/18 | 2-Punkt Untergruppe | . . characterised by the arrangement of the bearings for the torque transmitting elements in the axle housings |
| **B60B 37/00** | **Hauptgruppe** | **Wheel-axle combinations, e.g. wheel sets (units comprising multiple wheels arranged side by side B60B 11/00; rail-vehicle axle-boxes B61F)** |
| B60B 37/02 | 1-Punkt Untergruppe | . the wheels being integral with solid axles |
| B60B 37/04 | 1-Punkt Untergruppe | . the wheels being rigidly attached to solid axles |
| B60B 37/06 | 1-Punkt Untergruppe | . the wheels being integral with, or rigidly attached to, hollow axles |
| B60B 37/08 | 2-Punkt Untergruppe | . . the hollow axles being rotatable around fixed axles |
| B60B 37/10 | 1-Punkt Untergruppe | . the wheels being individually rotatable around the axles |
| B60B 37/12 | 1-Punkt Untergruppe | . Axles with a fixed wheel and a loose wheel |
| **B60B 39/00** | **Hauptgruppe** | **Increasing wheel adhesion (wheels or wheel attachments designed for increasing traction B60B 15/00; vehicle tyres B60C; non-skid devices temporarily attachable to resilient tyres or resiliently-tyred wheels B60C 27/00; road surface conditioning to prevent slipperiness E01C)** |
| B60B 39/02 | 1-Punkt Untergruppe | . Vehicle fittings for scattering or dispensing material in front of its wheels |
| B60B 39/04 | 2-Punkt Untergruppe | . . the material being granular, e.g. sand (combined control of sanding apparatus and brakes of rail vehicles B61H) |
| B60B 39/06 | 3-Punkt Untergruppe | . . . the dispensing being effected by mechanical means |
| B60B 39/08 | 3-Punkt Untergruppe | . . . the dispensing being effected by fluid means |
| B60B 39/10 | 3-Punkt Untergruppe | . . . the dispensing being controlled electrically or electromagnetically |
| B60B 39/12 | 2-Punkt Untergruppe | . . the material being sheet-like or web-like |