SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B65 CONVEYING; PACKING; STORING; HANDLING THIN OR FILAMENTARY MATERIAL

B65D CONTAINERS FOR STORAGE OR TRANSPORT OF ARTICLES OR MATERIALS, e.g. BAGS, BARRELS, BOTTLES, BOXES, CANS, CARTONS, CRATES, DRUMS, JARS, TANKS, HOPPERS, FORWARDING CONTAINERS; ACCESSORIES, CLOSURES, OR FITTINGS THEREFOR; PACKAGING ELEMENTS; PACKAGES

Note(s)

1. This subclass covers:
   - containers, packaging elements or packages with auxiliary means or provision for displaying articles or materials;
   - methods of packaging which are wholly characterised by the form of the package produced or the form of the container or packaging element used, as distinct from the operations performed or the apparatus employed, which are covered by subclass B65B.
2. This subclass, which is intended to be as comprehensive as possible, only excludes containers or packages of a nature clearly confined to a single other subclass, which are classified in that subclass.
3. In this subclass, groups B65D 5/00, B65D 27/00, B65D 30/00 or B65D 65/00 include constructional features of foldable or erectable container or wrapper blanks as well as the containers or wrappers formed by folding or erecting such blanks.
4. Containers, packaging elements or packages classified in group B65D 85/00, are also classified according to the constructional or functional features, if such features are of interest.
5. Large containers, as defined in Note (6) below, are classified in groups B65D 88/00 or B65D 90/00. Features that are of interest for containers in general may also be classified in other groups of subclass B65D when they are considered to represent information of interest for search.
6. In this subclass, the following terms or expressions are used with the meanings indicated:
   - "rigid or semi-rigid containers" includes:
     a. containers not deformed by, or not taking-up the shape of, their contents;
     b. containers adapted to be temporarily deformed to expel their contents;
     c. pallets;
     d. trays;
   - "flexible containers" includes:
     a. containers deformed by, or taking-up the shape of, their contents;
     b. containers adapted to be permanently deformed to expel their contents;
   - "packaging elements" includes:
     a. elements, other than containers, for covering, protecting, stiffening, or holding together articles or materials to be stored or transported;
     b. packaging materials of special type or form not provided for in other subclasses;
   - "packages" includes:
     a. combinations of containers or packaging elements with articles or materials to be stored or transported;
     b. articles joined together for convenience of storage or transport;
   - "paper" includes materials, e.g. cardboard, plastic sheet materials, laminated materials, or metal foils, worked in a manner analogous to paper;
   - "large containers", in groups B65D 88/00or B65D 90/00, means containers having about the size of containers used in container traffic, sometimes referred to as freight, forwarding or "ISO" (International Standardization Organization) containers, or larger containers.
7. Tamper-indicating means for containers or closures are classified in the group appropriate to the type of container or closure, e.g. B65D 5/43, B65D 5/54, B65D 17/00, B65D 27/30, B65D 27/34, B65D 33/34, B65D 41/32, B65D 47/36, B65D 49/12, B65D 51/20, B65D 55/06.

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KINDS OF PACKAGES
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General kinds of rigid or semi-rigid containers [3]

1/00 Rigid or semi-rigid containers having bodies formed in one piece, e.g. by casting metallic material, by moulding plastics, by blowing vitreous material, by throwing ceramic material, by moulding pulped fibrous material or by deep-drawing operations performed on sheet material (by winding, bending, or folding paper B65D 3/00, B65D 5/00; specially constructed to be opened by cutting, piercing, or tearing of wall portions B65D 17/00; rigid pallets with side walls B65D 19/02) **[5]**

1/02 • Bottles or similar containers with necks or like restricted apertures, designed for pouring contents
1/04 • • Multi-cavity bottles
1/06 • • with closable apertures at bottom
1/08 • • adapted to discharge drops (droppers B65D 47/18)
1/09 • Ampoules (specially adapted for medical or pharmaceutical purposes A61J 1/06) **[5]**
1/10 • Jars, e.g. for preserving foodstuffs
1/12 • Cans, casks, barrels, or drums
1/14 • • characterised by shape
1/16 • • • of curved cross-section, e.g. cylindrical
1/18 • • • of polygonal cross-section
1/20 • • characterised by location or arrangement of filling or discharge apertures
1/22 • Boxes or like containers with side walls of substantial depth for enclosing contents
1/24 • • with moulded compartments or partitions
1/26 • • Thin-walled containers, e.g. formed by deep-drawing operations
1/28 • • • formed of laminated material
1/30 • • • Groups of containers joined together end-to-end or side-by-side
1/32 • Containers adapted to be temporarily deformed by external pressure to expel contents (oil cans F16N 3/00)
1/34 • Trays or like shallow containers
1/36 • • with moulded compartments or partitions
1/38 • Baskets or like containers of skeleton or apertured construction
1/40 • Details of walls
1/42 • • Reinforcing or strengthening parts or members
1/44 • • • Corrugations
1/46 • • • Local reinforcements, e.g. adjacent closures
1/48 • • • Reinforcements of dissimilar materials, e.g. metal frames in plastic walls

3/00 Rigid or semi-rigid containers having bodies or peripheral walls of curved or partially-curved cross-section made by winding or bending paper without folding along defined lines (with end walls of different materials B65D 6/00, B65D 8/00)

3/02 • characterised by shape
3/04 • • essentially cylindrical
3/06 • • essentially conical or frusto-conical
3/08 • • having a cross-section of varying shape, e.g. circular merging into square or rectangular
3/10 • characterised by form of integral or permanently-secured end closure
3/12 • • Flanged discs permanently secured, e.g. by adhesives, by heat-sealing
3/14 • • • Discs fitting within container end and secured by bending, rolling, or folding operations
3/16 • • Discs without flanges engaging a groove in the container body
3/18 • • • and secured by rolling in the end of the body
3/20 • • with end portion of body adapted to be closed, by flattening or folding operations, e.g. formed with crease lines or flaps
3/22 • with double walls; with walls incorporating air-chambers; with walls made of laminated material
3/24 • with several compartments
3/26 • Opening arrangements or devices incorporated in, or attached to, containers
3/28 • Other details of walls
3/30 • • Local reinforcements, e.g. metallic rims

5/00 Rigid or semi-rigid containers of polygonal cross-section, e.g. boxes, cartons, trays, formed by folding or erecting one or more blanks made of paper (rigid pallets with side walls B65D 19/02; forming foldable or erectable blanks B31B) **[5]**

5/02 • by folding or erecting a single blank to form a tubular body with or without subsequent folding operations, or the addition of separate elements, to close the ends of the body (B65D 5/36 takes precedence)
5/04 • • the tubular body having no end closures
5/06 • • with end-closing or contents-supporting elements formed by folding inwardly a wall extending from, and continuously around, an end of the tubular body

5/08 • • with end closures formed by inward-folding of portions of body, e.g. flaps, interconnected by, or incorporating, gusset folds (by inward-folding of a wall extending continuously around an end of the body and incorporating gusset folds B65D 5/06)
5/10 • • with end closures formed by inward-folding of self-locking flaps hinged to tubular body
5/12 • • with end closures formed separately from tubular body
5/14 • • • with inset end closures
5/16 • • the tubular body being formed with an aperture or removable portion arranged to allow removal or insertion of contents through one or more sides (contents-dispensing means B65D 5/72)
5/18 • by folding a single blank to U-shape to form the base of the container and opposite sides of the body portion, the remaining sides being formed primarily by extensions of one or more of these opposite sides, e.g. flaps hinged thereto (B65D 5/36 takes precedence)
5/20 • by folding-up portions connected to a central panel from all sides to form a container body, e.g. of tray-like form (B65D 5/36 takes precedence)
5/22 • • held erect by extensions of one or more sides being doubled-over to enclose extensions of adjacent sides
5/24 • • with adjacent sides interconnected by gusset folds
5/26 • • with extensions of opposite sides mutually interlocking to lie against other sides
5/28 • • with extensions of sides permanently secured to adjacent sides, with sides permanently secured together by adhesive strips, or with sides held in place solely by rigidity of material
5/30 • • with tongue-and-slot or like connections between sides and extensions of other sides
5/32 • having bodies formed by folding and interconnecting two or more blanks (B65D 5/36 takes precedence)
5/34 • • one blank forming three sides of the body, and the other blank forming the remaining sides, a hinged lid, and the opposite end closure
5/35 • • • one blank forming three sides of a four-sided body, and the other blank forming the remaining side, a hinged lid, and the opposite end closure **[2]**
5/355 • specially adapted to be of variable capacity **[6]**
5/36 • specially constructed to allow collapsing and re-erecting without disengagement of side or bottom connections
5/38 • Drawer-and-shell type containers
5/40 • specially constructed to contain liquids
5/42 • Details of containers or of foldable or erectable container blanks
5/43 • • Containers characterised by means discouraging or indicating unauthorised opening of the container **[6]**
5/44 • • Integral, inserted or attached portions forming internal or external fittings **[6]**
5/46 • • • Handles
5/462 • • • • formed by folding a blank **[6]**
5/465 • • • • • not integral with the container **[6]**
5/468 • • • • Handholds in container body **[6]**
5/472 • • • • of metal, e.g. wire **[6]**
5/475 • • • • of plastics **[6]**
5/478 • • • • of cord **[6]**
5/48 • • • Partitions
5/4805 • • • • integral **[6]**
5/481 • • • • • forming compartments in at least two rows **[6]**
5/482 • • • • • • Longitudinal partition provided with cut flaps which are folded perpendicular to the partition **[6]**
5/483 • • • • • • formed by folding extensions hinged to the upper or lower edges of a tubular container body (B65D 5/482 takes precedence) **[6]**
5/484 • • • • • • formed by folding extensions of side panels of a tray-like container body blank **[6]**
5/485 • • • • • • combined with inserted partitions **[6]**
5/486 • • • • • formed by folding extensions hinged to a tubular container body along hinge lines parallel to its axis (B65D 5/481 takes precedence) **[6]**
5/487 • • • • • formed by folding extensions hinged to the upper or lower edges of a tubular container body (B65D 5/483 takes precedence) **[6]**
5/488 • • • • • formed by folding extensions of side panels of a tray-like container body blank (B65D 5/484 takes precedence) **[6]**
5/489 • • • • • formed by folding inwardly portions cut in the container body (B65D 5/481 takes precedence) **[6]**
5/49 • • • • inserted **[6]**
5/491 • • • • • forming compartments in at least two rows (B65D 5/485 takes precedence) **[6]**
5/492 • • • • • • formed by folding a single blank (B65D 5/493, B65D 5/494 take precedence) **[6]**
5/493 • • • • • • provided with an at least partial bottom **[6]**
5/494 • • • • • • Longitudinal partition provided with cut flaps which are folded perpendicular to the partition **[6]**
5/495 • • • • • • formed by crossed strips with inter-engaging slots **[6]**
5/496 • • • • • formed by folding strips into a tubular, U- or S- section (B65D 5/491 takes precedence) **[6]**
5/497 • • • • • Blank provided with cut flaps which are folded perpendicular to the blank (B65D 5/491 takes precedence) **[6]**
5/498 • • • • • Partitions with one or more flaps formed by folding, and fixed to, or maintained in position by, the sides of the container body (B65D 5/491, B65D 5/496, B65D 5/497 take precedence) **[6]**
5/499 • • • • • Partitions formed from non-folded strips engaged in slots or grooves in the sides of the container body (B65D 5/491 takes precedence) **[6]**
5/50 • • • Internal supporting or protecting elements for contents (elements formed by inward- folding of a wall extending from, and continuously around, an end of a tubular body B65D 5/06; partitions B65D 5/48)
5/52 • • • External stands or display elements for contents
5/54 • • Lines of weakness to facilitate opening of container or dividing it into separate parts by cutting or tearing (break-in flaps, or members adapted to be torn-off, to provide pouring openings B65D 5/70)
5/56 • • Linings or internal coatings
5/58 • • • Linings spaced appreciably from container wall

5/60 • • • Loose linings
5/62 • • External coverings or coatings
5/63 • • having two or more separate access openings (contents-dispensing means B65D 5/72) **[6]**
5/64 • • Lids
5/66 • • • Hinged lids (B65D 5/34 takes precedence)
5/68 • • • Telescope flanged lids
5/70 • • Break-in flaps, or members adapted to be torn-off, to provide pouring openings (B65D 5/74 takes precedence)
5/72 • • Contents-dispensing means
5/74 • • • Spouts
5/76 • • • for discharging metered quantities

6/00 Containers having bodies formed by interconnecting or uniting two or more rigid, or substantially rigid, components made wholly or mainly of metal, plastics, wood or substitutes therefor (containers having a curved cross-section B65D 8/00; specially constructed to be opened by cutting, piercing, or tearing of wall portions B65D 17/00; rigid pallets with side walls B65D 19/02) **[3]**
6/02 • characterised by shape **[3]**
6/04 • • Trays or like containers without lids **[3]**
6/06 • • of drawer-and-shell type **[3]**
6/08 • of skeleton or like apertured construction, e.g. made of interwoven or intermeshing flexible material **[3]**
6/10 • with walls comprising multiple panels in spaced face-to-face relationship, e.g. double walls **[3]**
6/12 • • with walls, e.g. bottoms, movable under influence of contents **[3]**
6/14 • with walls comprising laminated panels, e.g. plywood **[3]**
6/16 • collapsible **[3]**
6/18 • • with hinged components **[3]**
6/20 • • • bound by flexible wire, or strip-like, elements **[3]**
6/22 • • • and detachable components **[3]**
6/24 • • with detachable components (B65D 6/22 takes precedence) **[3]**
6/26 • • Devices for holding collapsible containers in erected state **[3]**
6/28 • with permanent connections between walls, e.g. corner connections **[3]**
6/30 • • formed by rolling or by rolling and pressing **[3]**
6/32 • • formed by soldering, welding, or otherwise uniting opposed surfaces **[3]**
6/34 • Reinforcing or strengthening parts or members **[3]**
6/36 • • Battens, bands, strips or fittings **[3]**
6/38 • • Deformations, e.g. corrugations **[3]**
6/40 • with walls formed with filling or emptying apertures **[3]**

8/00 Containers having a curved cross-section formed by interconnecting or uniting two or more rigid, or substantially rigid, components made wholly or mainly of metal, plastics, wood or substitutes therefor (specially constructed to be opened by cutting, piercing, or tearing of wall portions B65D 17/00; rigid pallets with side walls B65D 19/02) **[3]**
8/02 • Arrangements of filling or discharging apertures **[3]**
8/04 • characterised by wall construction or by connection between walls **[3]**
8/06 • • with multiple walls in spaced face-to-face relationship, e.g. double walls **[3]**
8/08 • • Reinforcing or strengthening parts or members **[3]**
8/10 • • • Battens, bands, strips or fittings **[3]**
8/12 • • Deformations, e.g. corrugations **[3]**
8/14 • • collapsible **[3]**
8/16 • • with walls comprising laminated panels, e.g. plywood **[3]**
8/18 • • with permanent connections between walls **[3]**
8/20 • • • formed by rolling or by rolling and pressing **[3]**
8/22 • • • formed by soldering, welding, or otherwise uniting opposed surfaces (B65D 8/20 takes precedence) **[3]**

13/00 Containers having bodies formed by interconnecting two or more rigid, or substantially rigid, components made wholly or mainly of the same material, other than metal, plastics, wood, or substitutes therefor (rigid pallets with side walls B65D 19/02) **[4]**
13/02 • of glass, pottery, or other ceramic material

17/00 Rigid or semi-rigid containers specially constructed to be opened by cutting or piercing, or by tearing of frangible member or portion (frangible inner closure members associated with caps, lids or covers B65D 51/20)
17/28 • about line or point of weakness **[3]**
17/30 • • using cutting device **[3]**
17/32 • • having non-detachable member or portion **[3]**
17/34 • • Arrangement or construction of pull or lift tab (B65D 17/32 takes precedence) **[3]**
17/347 • • • characterised by the connection between the tab and a detachable member or portion of the container **[6]**
17/353 • • • • the connecting means being integral with the tab or with the detachable member or portion **[6]**
17/36 • • • adapted for engagement with opening tool, e.g. slotted key (attachments of opening tools, e.g. slotted keys, to containers B65D 17/52) **[3]**
17/38 • • • • with strip or tool guide **[3]**
17/40 • • characterised having the line of weakness extending circumferentially of the container mouth **[3]**
17/42 • with cutting, punching, or cutter accommodating means (about line or point of weakness B65D 17/28) **[3]**
17/44 • • puncturing tool serves as closure **[3]**
17/46 • • Wire, string or like, e.g. rip cord **[3]**
17/48 • • • located in the seam-adjoining parts of the container **[3]**
17/50 • Non-integral frangible members applied to, or inserted in, a preformed opening, e.g. tearable strips, plastic plugs (B65D 53/08 takes precedence) **[3]**
17/52 • Attachments of opening tools, e.g., slotted keys, to containers **[3]**

19/00 Pallets or like platforms, with or without side walls, for supporting loads to be lifted or lowered (in devices for lifting or lowering bulky or heavy goods for loading or unloading purposes B66F 9/12)
19/02 • Rigid pallets with side walls, e.g. box pallets
19/04 • • with bodies moulded or otherwise fabricated in one piece
19/06 • • with bodies formed by uniting or interconnecting two or more components
19/08 • • • made wholly or mainly of metal
19/10 • • • • of skeleton construction, e.g. made of wire
19/12 • • • • Collapsible pallets
19/14 • • • made wholly or mainly of wood
19/16 • • • • Collapsible pallets

19/18 • • • made wholly or mainly of plastics material
19/20 • • • made wholly or mainly of paper
19/22 • Rigid pallets without side walls
19/24 • • with bodies moulded or otherwise fabricated in one piece
19/26 • • with bodies formed by uniting or interconnecting two or more components
19/28 • • • made wholly or mainly of metal
19/30 • • • • of skeleton construction, e.g. made of wire
19/31 • • • made wholly or mainly of wood **[4]**
19/32 • • • made wholly or mainly of plastics material
19/34 • • • made wholly or mainly of paper
19/36 • Pallets comprising a flexible load carrier extending between guide elements, e.g. guide tubes
19/38 • Details or accessories
19/40 • • Elements for spacing platforms from supporting surface
19/42 • • • Arrangements or applications of rollers or wheels
19/44 • • Elements or devices for locating articles on platforms

21/00 Nestable, stackable or joinable containers; Containers of variable capacity
21/02 • Containers specially shaped, or provided with fittings or attachments, to facilitate nesting, stacking, or joining together **[5]**
21/024 • • for stacking containers lying on their sides, or for joining containers side-by-side, by means which are lateral with respect to the normal orientation of the containers **[6]**
21/028 • • • with interconnecting means forming part of the containers, e.g. dovetails, snap connectors, hook elements **[6]**
21/032 • • for stacking containers one upon another in the upright or upside down position, e.g. with vertically projecting elements or recesses **[6]**
21/036 • • • having closure means specially adapted for facilitating stacking **[6]**
21/04 • • Open-ended containers shaped to be nested when empty and to be superposed when full
21/06 • • with movable parts adapted to be placed in alternative positions for nesting the containers when empty and for stacking them when full
21/08 • Containers of variable capacity (containers of polygonal cross-section adapted to be of variable capacity formed by folding or erecting blanks made of paper B65D 5/355)

Details of rigid or semi-rigid containers not otherwise provided for [3]

23/00 Details of bottles or jars not otherwise provided for (screw-threaded or bayonet connections between stoppers or caps and containers B65D 39/08, B65D 41/04, B65D 41/34; closure-securing elements B65D 45/00)
23/02 • Linings or internal coatings
23/04 • Means for mixing or for promoting flow of contents
23/06 • Integral drip catchers or drip-preventing means
23/08 • Coverings or external coatings
23/10 • Handles
23/12 • Means for the attachment of smaller articles
23/14 • • of tags
23/16 • • of thermometers

25/00 Details of other kinds or types of rigid or semi-rigid containers
25/02 • Internal fittings (of containers made by folding or erecting blanks made of paper B65D 5/44)
25/04 • • Partitions
25/06 • • • adapted to be fitted in two or more alternative positions
25/08 • • • with provisions for removing or destroying, e.g. to facilitate mixing of contents
25/10 • • Devices to locate articles in containers
25/14 • Linings or internal coatings (of containers made by folding or erecting blanks made of paper B65D 5/56)
25/16 • • Loose, or loosely-attached, linings
25/18 • • spaced appreciably from container wall
25/20 • External fittings (of containers made by folding or erecting blanks made of paper B65D 5/44)
25/22 • • for facilitating lifting or suspending of containers
25/24 • • for spacing bases of containers from supporting surfaces, e.g. legs (for pallets B65D 19/40)
25/26 • • Devices for protecting contents against shock
25/28 • Handles (of containers made by folding or erecting blanks made of paper B65D 5/46; of bottles or jars B65D 23/10)
25/30 • • Hand holes
25/32 • • Bail handles, i.e. pivoted handles of generally semi-circular shape
25/34 • Coverings or external coatings (of containers made by folding or erecting blanks made of paper B65D 5/62; for bottles or jars B65D 23/08; wrappers B65D 65/00)
25/36 • • formed by applying sheet material
25/38 • Devices for discharging contents (incorporated in removable or non-permanently-secured closure members B65D 47/00; for discharging thin flat articles B65D 83/08)
25/40 • • Nozzles or spouts
25/42 • • • Integral or attached nozzles or spouts
25/44 • • • • Telescopic or retractable nozzles or spouts
25/46 • • • • Hinged or pivoted nozzles or spouts
25/48 • • • Separable nozzles or spouts
25/50 • • • • arranged to be plugged in two alternate positions
25/52 • • Devices for discharging successive articles or portions of contents
25/54 • Inspection openings or windows
25/56 • • with means for indicating level of contents

General kinds of flexible containers [3]

27/00 Envelopes or like essentially-rectangular flexible containers for postal or other purposes having no structural provision for thickness of contents (with shock-absorbing properties B65D 81/03; letter-cards B42D 15/00)
27/02 • with stiffening inserts
27/04 • with apertures or windows for viewing contents
27/06 • with provisions for repeated re-use
27/08 • with two or more compartments
27/10 • Chains of interconnected envelopes
27/12 • Closures (separate fasteners B42F 1/00)
27/14 • • using adhesive applied to integral parts, e.g. flaps
27/16 • • • using pressure-sensitive adhesive
27/18 • • • using heat-activatable adhesive
27/20 • • using self-locking integral or attached elements
27/22 • • • Tongue-and-slot or like closures; Tuck-in flaps

27/24 • • • String closures
27/26 • • • Deformable metallic elements
27/28 • • Applications of separate closing elements
27/30 • • with special means for indicating unauthorised opening
27/32 • Opening devices incorporated during envelope manufacture
27/34 • • Lines of weakness
27/36 • • Finger openings, slots, or gripping tabs
27/38 • • Tearing-strings or -strips

30/00 Sacks, bags or like containers [3]
30/02 • characterised by the material used **[3]**
30/04 • • made of fabric **[3]**
30/06 • • • net-like **[3]**
30/08 • • with laminated or multiple walls in spaced face-to-face relationship, e.g. double walls (B65D 30/14, B65D 30/26 take precedence; with shock-absorbing properties B65D 81/03) **[3]**
30/10 • characterised by shape or construction **[3]**
30/12 • • Cross bottom bags **[3]**
30/14 • • • multi-layered **[3]**
30/16 • • with rigid end walls, e.g. free standing bags **[3]**
30/18 • • with block bottoms **[3]**
30/20 • • with folds, e.g. to facilitate collapsing **[3]**
30/22 • • with two or more compartments **[3]**
30/24 • • Bags having valves **[3]**
30/26 • • • multi-layered **[3]**
30/28 • • Triangular- or conical-shaped bags **[3]**

33/00 Details of, or accessories for, sacks or bags
33/01 • Ventilation or draining of bags **[3]**
33/02 • Local reinforcements or stiffening inserts, e.g. wires, strings, strips, frames
33/04 • Windows or other apertures, e.g. for viewing contents
33/06 • Handles
33/08 • • Hand holes
33/10 • • formed of similar material to that used for the bag
33/12 • • String handles
33/14 • Suspension means (handles B65D 33/06)
33/16 • End- or aperture-closing arrangements or devices (valves of valve bags B65D 30/24; removable stoppers or caps B65D 39/00, B65D 41/00; closures of filled bags B65D 77/10; closing filled bags in association with packaging B65B 7/00, B65B 51/00)
33/17 • • with brackets, rings or locks **[4]**
33/18 • • using adhesive applied to integral parts, e.g. to flaps
33/20 • • • using pressure-sensitive adhesive
33/22 • • • using heat-activatable adhesive
33/24 • • using self-locking integral or attached closure elements, e.g. flaps (B65D 33/25 takes precedence) **[4]**
33/25 • • Riveting; Dovetailing; Screwing; using press buttons or slide fasteners **[4]**
33/26 • • using staples or stitches
33/28 • • Strings or strip-like closures **[4]**
33/30 • • Deformable or resilient metal or like strips or bands
33/32 • • Metallic chain closures
33/34 • • with special means for indicating unauthorised opening
33/36 • Means for discharging contents
33/38 • • Spouts

35/00 Pliable tubular containers adapted to be permanently deformed to expel contents, e.g. collapsible tubes for toothpaste or other plastic or semi-liquid material; Holders therefor
35/02 • Body construction
35/04 • • made in one piece
35/06 • • • from metallic material
35/08 • • • from plastics material
35/10 • • made by uniting or interconnecting two or more components
35/12 • • Connections between body and closure-receiving bush
35/14 • with linings or inserts
35/16 • • for minimising or preventing corrosion of body
35/18 • • for keeping body in rolled state after partial expulsion of contents
35/20 • • for retracting contents
35/22 • with two or more compartments
35/24 • with auxiliary devices (linings or inserts B65D 35/14)
35/26 • • for filling
35/28 • • for expelling contents
35/30 • • • Pistons
35/32 • • Winding keys
35/34 • • • connected to, or associated with, tube holders
35/36 • • for applying contents to surfaces
35/38 • • • Nozzles
35/40 • • for metering discharge
35/42 • • for preventing loss of removable closure members
35/44 • Closures
35/46 • • with valves
35/48 • • • Hand-operated valves
35/50 • • • opening when tubular containers is deformed
35/52 • • • Slits
35/54 • • • opening when closure is pressed against a surface to which contents are applied (nozzles B65D 35/38)
35/56 • Holders for collapsible tubes

37/00 Portable flexible containers not otherwise provided for

Closure members, other than those folded of paper and incorporated in or attached to the container, for opening of rigid or semi-rigid containers without destroying outer wall portions of the container itself, or of flexible containers presenting similar closing problems; Arrangements or devices for preventing refilling of containers; Parts of containers co-operating with closure members or characterised by the form of closure members [3]

39/00 Closures arranged within necks or pouring openings or in discharge apertures, e.g. stoppers (lids or covers B65D 43/00; with additional securing elements B65D 45/00)
39/02 • Disc closures (discs with flanges B65D 39/04)
39/04 • Cup-shaped plugs or like hollow flanged members
39/06 • Balls
39/08 • Threaded or like closure members secured by rotation; Bushes therefor
39/10 • • with bayonet cams
39/12 • expansible, e.g. inflatable
39/14 • extending through lateral openings in necks
39/16 • with handles or other special means facilitating manual actuation

39/18 • with anti-friction or wear-resistant coatings or coverings

41/00 Caps, e.g. crown caps, crown seals, i.e. members having parts arranged for engagement with the external periphery of a neck or wall defining a pouring opening or discharge aperture; Protective cap-like covers for closure members, e.g. decorative covers of metal foil or paper (B65D 45/00 takes precedence; combinations of caps and protective cap-like covers B65D 51/18; making closures by working metal sheet B21D 51/44)

41/01 • specially adapted for accommodating plural sizes **[6]**

41/02 • Caps or cap-like covers without lines of weakness, tearing strips, tags, or like opening or removal devices

41/04 • • Threaded or like caps or cap-like covers secured by rotation

41/06 • • • with bayonet cams

41/08 • • • engaging a threaded ring clamped on the external periphery of the neck or wall

41/10 • • Caps or cap-like covers adapted to be secured in position by permanent deformation of the wall-engaging parts

41/12 • • • made of relatively-stiff metallic materials, e.g. crown caps

41/14 • • • made of metallic foil or like thin flexible material

41/16 • • Snap-on caps or cap-like covers

41/17 • • • push-on and twist-off **[6]**

41/18 • • • non-metallic, e.g. made of paper or plastics

41/20 • • Caps or cap-like covers with membranes, e.g. arranged to be pierced

41/22 • • Caps or cap-like covers with elastic parts adapted to be stretched over the container

41/24 • • Caps or cap-like covers made of shrinkable material or formed in situ by dipping, e.g. using gelatine or celluloid

41/26 • • Caps or cap-like covers serving as, or incorporating, drinking or measuring vessels

41/28 • • Caps combined with stoppers

41/30 • • • Deformable caps combined with resilient stoppers to permit re-use as temporary closures

41/32 • Caps or cap-like covers with lines of weakness, tearing-strips, tags, or like opening or removal devices, e.g. to facilitate formation of pouring openings

41/34 • • Threaded or like caps or cap-like covers

41/36 • • • with bayonet cams

41/38 • • • engaging a threaded ring clamped on the external periphery of the neck or wall

41/40 • • Caps or cap-like covers adapted to be secured in position by permanent deformation of the wall-engaging parts

41/42 • • • made of relatively-stiff metallic material, e.g. crown caps

41/44 • • • made of metallic foil or like thin flexible material

41/46 • • Snap-on caps or cap-like covers

41/47 • • • push-on and twist-off **[6]**

41/48 • • • non-metallic, e.g. made of paper, plastics

41/50 • • Caps or cap-like covers with membranes, e.g. arranged to be pierced

41/52 • • Caps or cap-like covers with elastic parts adapted to be stretched over the container

41/54 • • Caps or cap-like covers made of shrinkable material or formed in situ by dipping, e.g. using gelatine, celluloid

41/56 • • Caps or cap-like covers serving as, or incorporating, drinking or measuring vessels

41/58 • • Caps or cap-like covers combined with stoppers

41/60 • • • Deformable caps combined with resilient stoppers to permit re-use as temporary closures

41/62 • Secondary protective cap-like outer covers for closure members (arrangements of closures with protective outer cap-like covers or of two or more co-operating closures B65D 51/18)

43/00 Lids or covers for rigid or semi-rigid containers (for cooking vessels A47J 36/06; covers for pressure vessels in general F16J 13/00)

43/02 • Removable lids or covers (with means for piercing, cutting, or tearing a frangible inner closure B65D 51/22)

43/03 • • nestable or stackable **[3]**

43/04 • • having a part, or parts, engaging within the mouth of the container and retained by friction or gravity

43/06 • • having a peripheral channel embracing the rim of the container

43/08 • • having a peripheral flange fitting over the rim of the container

43/10 • • • and retained by snapping over beads or projections

43/12 • • guided for removal by sliding

43/14 • Non-removable lids or covers

43/16 • • hinged for upward or downward movement (hinges of door or similar type E05D)

43/18 • • pivoted for movement in plane of container mouth

43/20 • • linearly slidable

43/22 • • Devices for holding in closed position, e.g. clips **[4]**

43/24 • • Devices for retaining in open position

43/26 • Mechanisms for opening or closing, e.g. pedal-operated

45/00 Clamping or other pressure-applying devices for securing or retaining closure members (screw-threaded or bayonet connections between stoppers or caps and containers B65D 39/08, B65D 41/04, B65D 41/34; expansible stoppers B65D 39/12; for pressure vessels in general F16J 13/00)

45/02 • for applying axial pressure to engage closure with sealing surface

45/04 • • comprising U-shaped or bifurcated members coacting with containers, e.g. pivoted bails

45/06 • • • associated with toggle levers, e.g. swing stopper arrangements

45/08 • • • incorporating springs

45/10 • • • incorporating tightening screws

45/12 • • • associated with locking levers engaging rack teeth for varying the applied pressure

45/14 • • • coacting with inclined grooves in container wall for varying the applied pressure

45/16 • • Clips, hooks, or clamps, e.g. C-shaped (U-shaped or bifurcated members B65D 45/04)

45/18 • • • of snap-over type

45/20 • • • pivoted

45/22 • • • • resilient

45/24 • • • • incorporating pressure-applying means, e.g. screws, toggles

45/26 • • • • incorporating tensioning chains

45/28 • • Elongated members, e.g. leaf springs, located substantially at right angles to closure axis and acting between the face of the closure and abutments on container
45/30 • • Annular members, e.g. with snap-over action, screw-threaded
45/32 • for applying radial pressure, e.g. contractible bands encircling closure member
45/34 • • lever-operated

47/00 Closures with filling and discharging, or with discharging, devices (dispensers for liquid soap A47K 5/12)
47/02 • for initially filling and for preventing subsequent refilling
47/04 • Closures with discharging devices other than pumps
47/06 • • with pouring spouts or tubes; with discharge nozzles or passages (with slidable spouts B65D 47/26)
47/08 • • • having articulated or hinged closures
47/10 • • • having frangible closures
47/12 • • • having removable closures
47/14 • • • • and closure-retaining means
47/16 • • • with closures operating automatically when spout is immersed in discharged liquid
47/18 • • • for discharging drops; Droppers
47/20 • • comprising hand-operated members for controlling discharge (B65D 47/34 takes precedence)
47/22 • • • operating with pinching action on flexible tubes
47/24 • • • with poppet valves
47/26 • • • with slide valves, e.g. formed with slidable spouts
47/28 • • • • having linear movement
47/30 • • • with plug valves
47/32 • • with means for venting **[3]**
47/34 • Closures with discharge by pumping
47/36 • Closures with frangible parts adapted to be pierced, torn, or removed, to provide discharge openings (B65D 51/18 takes precedence; caps with pierceable membranes B65D 41/20, B65D 41/50)
47/38 • • with piercing means arranged to act subsequently as a valve to control the opening
47/40 • with drip catchers or drip-preventing means
47/42 • with pads or like contents-applying means (brushes combined or associated with containers A46B 11/00)
47/44 • • combined with slits opening when container is deformed or when pad is pressed against surface to which contents are to be applied (pliable tubular containers with valves opening when closure is pressed against surface B65D 35/54)

49/00 Arrangements or devices for preventing refilling of containers (for initial filling and for preventing subsequent refilling B65D 47/02)
49/02 • One-way valves
49/04 • • Weighted valves
49/06 • • • with additional loading weights
49/08 • • Spring-loaded valves
49/10 • • Arrangements of several valves
49/12 • by destroying, in the act of opening the container, an integral portion thereof

50/00 Closures with means for discouraging unauthorised opening or removal thereof, with or without indicating means, e.g. child-proof closures (tamper-indicating closures without means for discouraging, see the relevant groups, e.g. B65D 41/32, B65D 51/20; means per se for discouraging or indicating unauthorised opening or removal of closure B65D 55/02) **[5]**
50/02 • openable or removable by the combination of plural actions **[5]**
50/04 • • requiring the combination of simultaneous actions, e.g. depress and turn, lift and turn, maintain a part and turn another one (B65D 50/10 takes precedence; caps or covers secured by rotation with bayonet cams B65D 41/06, B65D 41/36) **[5]**
50/06 • • requiring the combination of different actions in succession (B65D 50/10 takes precedence) **[5]**
50/08 • • openable or removable by closure or container deformation **[5]**
50/10 • • disengageable only after alignment of closure parts with container **[5]**
50/12 • Disguised or hidden forms of closures, e.g. dummy closure in association with removable closure forming container base **[5]**
50/14 • openable or removable only by means of special opening member (containers with cutting, punching, or cutter accommodating means B65D 17/42; key-actuated closure locks B65D 55/14) **[5]**

51/00 Closures not otherwise provided for (covers or similar closures as engineering elements for pressure vessels in general F16J 13/00)
51/02 • Loosely-engaging lids or covers for jars, cans, or like containers for liquids without means for effecting sealing of container (for cooking-vessels A47J 36/06)
51/04 • • hinged (B65D 51/10 takes precedence)
51/06 • • collapsible
51/08 • • with axial projections fitting within, or around, the walls defining the container openings, e.g. for milk churns
51/10 • • opening automatically when container is tilted for pouring
51/12 • • Flexible non-elastic covers
51/14 • Rigid discs or spherical members adapted to be held in sealing engagement with mouth of container, e.g. closure plates for preserving jars
51/16 • with means for venting air or gas
51/18 • Arrangements of closures with protective outer cap-like covers or of two or more co-operating closures (secondary protective cap-like outer covers for caps B65D 41/62)
51/20 • • Caps, lids, or covers co-operating with an inner closure arranged to be opened by piercing, cutting, or tearing
51/22 • • • having means for piercing, cutting, or tearing the inner closure
51/24 • combined with auxiliary devices for non-closing purposes
51/26 • • with means for keeping contents in position, e.g. resilient means
51/28 • • with auxiliary containers for additional articles or materials
51/30 • • • for desiccators
51/32 • • with brushes or rods for applying or stirring contents

53/00 Sealing or packing elements; Sealings formed by liquid or plastic material
53/02 • Collars or rings

53/04 • Discs
53/06 • Sealings formed by liquid or plastic material
53/08 • Flexible adhesive strips adapted to seal filling or discharging apertures
53/10 • characterised by special adaptation to acid-proof vessels

55/00 Accessories for container closures not otherwise provided for
55/02 • Locking devices; Means for discouraging or indicating unauthorised opening or removal of closure (protective covers for bottles B65D 23/08; protective cap-like outer covers for bottle or jar closures B65D 41/28; pressure-applying means B65D 45/00; closures with means for discouraging unauthorised opening or removal of closures B65D 50/00) **[5]**
55/04 • • Spring clips, e.g. of wire, of sheet metal
55/06 • • Deformable or tearable wires, strings, or strips (containers specially constructed to be opened by tear-strips, strings or the like B65D 17/00; caps or cap-like closures with tear-strips B65D 41/32); Use of seals
55/08 • • • Annular elements encircling container necks
55/10 • • Locking pins
55/12 • • Devices or means with relatively-moving parts co-operating with abutments on bottle or jar
55/14 • • Applications of locks, e.g. of permutation or key-controlled locks
55/16 • Devices preventing loss of removable closure members

Kinds or types of packaging elements

57/00 Internal frames or supports for flexible articles, e.g. stiffeners; Separators for articles packaged in stacks or groups, e.g. for preventing adhesion of sticky articles

59/00 Plugs, sleeves, caps, or like rigid or semi-rigid elements for protecting parts of articles or for bundling articles, e.g. protectors for screw-threads, corner protectors, end caps for tubes or for bundling rod-shaped articles
59/02 • Plugs
59/04 • Sleeves, e.g. postal tubes
59/06 • Caps
59/08 • • of polygonal cross-section

61/00 External frames or supports adapted to be assembled around, or applied to, articles (collapsible containers B65D 5/00, B65D 6/16, B65D 6/24, B65D 8/14)
61/02 • Tubular frames with resilient joints

63/00 Flexible elongated elements, e.g. straps, for bundling or supporting articles
63/02 • Metallic straps, tapes, or bands; Joints between ends thereof
63/04 • • Joints produced by deformation of ends of elements
63/06 • • Joints produced by application of separate securing members, e.g. by deformation thereof
63/08 • • • Joints using buckles, wedges, or like locking members attached to the ends of the elements
63/10 • Non-metallic straps, tapes, or bands; Filamentary elements, e.g. strings, threads, wires; Joints between ends thereof
63/12 • • Joints produced by deformation or tying of ends of elements
63/14 • • Joints produced by application of separate securing members
63/16 • • • Joints using buckles, wedges, or like locking members attached to the end of the element
63/18 • Elements provided with handles or other suspension means

65/00 Wrappers or flexible covers; Packaging materials of special type or form (wrappers or envelopes with shock-absorbing properties B65D 81/03)

Note(s)

Attention is drawn to the definition of "packaging elements" in Note (5) following the title of this subclass.

65/02 • Wrappers or flexible covers
65/04 • • non-rectangular
65/06 • • • formed with foldable flaps, e.g. interlocking flaps
65/08 • • • with fastening elements, e.g. slide fasteners
65/10 • • rectangular
65/12 • • • formed with crease lines to facilitate folding
65/14 • • with areas coated with adhesive
65/16 • • with provision for excluding or admitting light
65/18 • • • with some areas transparent and others opaque
65/20 • • • with provision for excluding light of a particular wavelength
65/22 • • Details
65/24 • • • Tabs or other projections for locating contents
65/26 • • • Opening devices
65/28 • • • • Perforations or lines of weakness
65/30 • • • • Slits, slots, or cuts
65/32 • • • • Tabs or like projections for gripping by the fingers
65/34 • • • • Attached tearing-strings or like flexible elements
65/36 • • • • Reinforcements to guide tearing
65/38 • Packaging materials of special type or form
65/40 • • Applications of laminates for particular packaging purposes
65/42 • • Applications of coated or impregnated materials
65/46 • • Applications of disintegrable, dissolvable or edible materials **[3]**

67/00 Kinds or types of packaging elements not otherwise provided for
67/02 • Clips or clamps for holding articles together for convenience of storage or transport

Kinds or types of packages

69/00 Articles joined together for convenience of storage or transport without the use of packaging elements (joining articles for convenience of packaging B65B 17/02)

71/00 Bundles of articles held together by packaging elements for convenience of storage or transport, e.g. portable segregating carrier for plural receptacles such as beer cans, pop bottles; Bales of material
71/02 • Arrangements of flexible binders
71/04 • • with protecting or supporting elements arranged between binder and articles or materials, e.g. for preventing chafing of binder

71/06 • comprising a plurality of articles completely or mainly held together by packaging elements, e.g. under tension **[3]**
71/08 • • Wrappers shrunk by heat **[3]**
71/10 • • • and provided with inserts **[5]**
71/12 • • the packaging elements being formed by folding a single blank **[5]**
71/14 • • • having the shape of a tube, without, or not being characterised by, end walls (sleeves B65D 59/04) **[5]**
71/16 • • • • with article-locating elements (B65D 71/24 takes precedence) **[5]**
71/18 • • • • • Tabs inwardly folded from upper or lower wall **[5]**
71/20 • • • • • Slits or openings along the foldline of the tubular body **[5]**
71/22 • • • • • Openings formed in the sidewall **[5]**
71/24 • • • • with partitions **[5]**
71/26 • • • • • extending from upper or lower wall **[5]**
71/28 • • • • characterised by the handle **[5]**
71/30 • • • • • unitary with the tubular packaging elements (B65D 71/32 takes precedence) **[5]**
71/32 • • • • • formed by finger-holes **[5]**
71/34 • • • • characterised by lines of weakness or the like **[5]**
71/36 • • • characterised by having end walls **[5]**
71/38 • • the packaging elements being formed by folding and interconnecting two or more blanks **[5]**
71/40 • comprising a plurality of articles held together only partially by packaging elements formed by folding a blank **[5]**
71/42 • • formed by folding a single blank into a single layer element **[5]**
71/44 • • • characterised by the handle **[5]**
71/46 • • formed by folding a single blank into a tubular element **[5]**
71/48 • • • characterised by the handle **[5]**
71/50 • comprising a plurality of articles held together only partially by packaging elements formed otherwise than by folding a blank **[5]**
71/52 • Tray-like packaging elements provided with handles for storage or transport of a plurality of articles (B65D 71/12, B65D 71/38, B65D 71/40, B65D 71/50 take precedence) **[5]**
71/54 • • without partitions (B65D 71/60, B65D 71/68 take precedence) **[5]**
71/56 • • with a single longitudinal partition (B65D 71/60, B65D 71/68 take precedence) **[5]**
71/58 • • formed by folding one blank and having vertical partitions (B65D 71/60 takes precedence) **[5]**
71/60 • • formed by folding one blank into a tubular element, having upper wall portions provided with openings, through which the articles extend **[5]**
71/62 • • • with parts of the walls bent against one another to form a longitudinal partition between two rows of articles (B65D 71/64, B65D 71/66 take precedence) **[5]**
71/64 • • • with walls enclosing the articles almost completely (B65D 71/66 takes precedence) **[5]**
71/66 • • • for holding only one row of articles **[5]**
71/68 • • formed by folding and interconnecting two or more blanks (B65D 71/72 takes precedence) **[5]**
71/70 • Trays provided with projections or recesses in order to assemble multiple articles, e.g. intermediate elements for stacking **[5]**
71/72 • • formed by folding one or more blanks, the articles being inserted in openings in a wall **[5]**

73/00 Packages comprising articles attached to cards, sheets, or webs (cards for buttons, collar-studs, or sleeve-links A44B 7/00; attaching articles to cards, sheets, or webs B65B 15/00)
73/02 • Articles, e.g. small electrical components, attached to webs

75/00 Packages comprising articles or materials partially or wholly enclosed in strips, sheets, blanks, tubes, or webs of flexible sheet material, e.g. in folded wrappers (B65D 71/00 takes precedence) **[5]**
75/02 • Articles partially enclosed in folded or wound strips or sheets, e.g. wrapped newspapers
75/04 • Articles or materials wholly enclosed in single sheets or wrapper blanks
75/06 • • in sheets or blanks initially folded to form tubes
75/08 • • • with the ends of the tube closed by folding
75/10 • • • with the ends of the tube closed by twisting
75/12 • • • with the ends of the tube closed by flattening and heat-sealing
75/14 • • in sheets or blanks folded-up around all sides of the contents from a portion on which the contents are placed
75/16 • • • the upstanding portion of the wrapper being closed by twisting
75/18 • • • the upstanding portion of the wrapper being closed by regular or irregular folds or pleats, e.g. bunch-wrapped packages
75/20 • • in sheets or blanks doubled around contents and having their opposed free margins united, e.g. by pressure-sensitive adhesive, crimping, heat-sealing, or welding
75/22 • • • the sheet or blank being recessed to accommodate contents
75/24 • • • • and formed with several recesses to accommodate a series of articles or quantities of material
75/26 • Articles or materials wholly enclosed in laminated sheets or wrapper blanks
75/28 • Articles or materials wholly enclosed in composite wrappers, i.e. wrappers formed by associating or interconnecting two or more sheets or blanks
75/30 • • Articles or materials enclosed between two opposed sheets or blanks having their margins united, e.g. by pressure-sensitive adhesive, crimping, heat-sealing, or welding
75/32 • • • one or both sheets or blanks being recessed to accommodate contents
75/34 • • • • and having several recesses to accommodate a series of articles or quantities of material
75/36 • • • • one sheet or blank being recessed and the other formed of relatively stiff flat sheet material, e.g. blister packages
75/38 • Articles or materials enclosed in two or more wrappers disposed one inside the other
75/40 • Packages formed by enclosing successive articles, or increments of material, in webs, e.g. folded or tubular webs, or by subdividing tubes filled with liquid, semi-liquid, or plastic materials
75/42 • • Chains of interconnected packages
75/44 • • Individual packages cut from webs or tubes
75/46 • • • containing articles
75/48 • • • containing liquids, semiliquids, or pastes, e.g. cushion-shaped packages
75/50 • • • • Tetrahedral packages

75/52 • Details
75/54 • • Cards, coupons, or other inserts or accessories (opening devices B65D 75/70)
75/56 • • • Handles or other suspension means
75/58 • • Opening or contents-removing devices added or incorporated during package manufacture
75/60 • • • Weakened closure seams
75/62 • • • Cuts or perforations, e.g. in closure seams
75/64 • • • Tabs formed by unsecured portion of wrapper
75/66 • • • Inserted or applied tearing-strings or like flexible elements
75/68 • • • • extending through wrapper closure or between wrapper layers
75/70 • • • Rigid cutting or tearing devices

77/00 Packages formed by enclosing articles or materials in preformed containers, e.g. boxes, cartons, sacks, bags
77/02 • Wrapped articles enclosed in rigid or semi-rigid containers
77/04 • Articles or materials enclosed in two or more containers disposed one within another
77/06 • • Liquids or semiliquids enclosed in flexible containers disposed within rigid containers
77/08 • Materials, e.g. different materials, enclosed in separate compartments formed during filling of a single container
77/10 • Container closures formed after filling
77/12 • • by collapsing and flattening the mouth portion of the container and securing without folding, e.g. by pressure-sensitive adhesive, heat-sealing, welding, applying a separate securing member
77/14 • • by flattening and subsequently folding or rolling the mouth portion
77/16 • • by collapsing and twisting mouth portion
77/18 • • • and securing by a deformable clip or binder
77/20 • • by applying separate lids or covers
77/22 • Details
77/24 • • Inserts or accessories added or incorporated during filling of containers (opening devices B65D 77/30)
77/26 • • • Elements or devices for locating or protecting articles
77/28 • • • Cards, coupons, or drinking straws
77/30 • • Opening or contents-removing devices added or incorporated during filling or closing of containers
77/32 • • • Tearing-strings or like flexible elements
77/34 • • • • enclosed in a mouth seal
77/36 • • • • disposed beneath a wrapper, label, or other element of sheet material securing a lid, cover, or container mouth
77/38 • • • Weakened closure seams
77/40 • • • Rigid cutting or tearing devices

79/00 Kinds or details of packages, not otherwise provided for
79/02 • Arrangements or devices for indicating incorrect storage or transport

Containers, packaging elements, or packages, of special types or forms or specially adapted for organisms, articles, or materials presenting particular transport, storage, or dispensing problems

81/00 Containers, packaging elements, or packages, for contents presenting particular transport or storage problems, or adapted to be used for non-packaging purposes after removal of contents
81/02 • specially adapted to protect contents from mechanical damage **[6]**
81/03 • • Wrappers or envelopes with shock-absorbing properties, e.g. bubble films **[6]**
81/05 • • maintaining contents at spaced relation from package walls, or from other contents (B65D 81/03 takes precedence) **[6]**
81/07 • • • using resilient suspension means **[6]**
81/09 • • • using flowable discrete elements of shock-absorbing material, e.g. pellets, popcorn **[6]**
81/107 • • • using blocks of shock-absorbing material **[6]**
81/113 • • • • of a shape specially adapted to accommodate contents **[6]**
81/127 • • • using rigid or semi-rigid sheets of shock-absorbing material **[6]**
81/133 • • • • of a shape specially adapted to accommodate contents, e.g. trays **[6]**
81/15 • • • using liquids **[6]**
81/17 • • specially adapted to crumple without damage to contents **[6]**
81/18 • providing specific environment for contents, e.g. temperature above or below ambient (with thermal insulation B65D 81/38; ice-boxes with cooling means F25D) **[6]**
81/20 • • under vacuum or superatmospheric pressure, or in a special atmosphere, e.g. of inert gas
81/22 • • in moist conditions or immersed in liquids
81/24 • Adaptations for preventing deterioration or decay of contents; Applications to the container or packaging material of food preservatives, fungicides, pesticides or animal repellants (with thermal insulation B65D 81/38) **[6]**
81/26 • • with provision for draining away, or absorbing, fluids, e.g. exuded by contents; Applications of corrosion inhibitors or desiccators
81/28 • • Applications of food preservatives, fungicides, pesticides, or animal repellents
81/30 • • by excluding light or other outside radiation
81/32 • for packaging two or more different materials which must be maintained separate prior to use in admixture (containers with removable or destructible partitions B65D 25/08)
81/34 • for packaging foodstuffs intended to be cooked or heated within the package **[6]**
81/36 • adapted to be used for non-packaging purposes after removal of contents
81/38 • with thermal insulation (vacuum bottles or the like A47J 41/00)

83/00 Containers or packages with special means for dispensing contents (dispensing means incorporated in removable or non-permanently secured container closures B65D 47/00; for shops, stores, offices, bars, or the like A47F 1/04; showcases or show cabinets with dispensing arrangements A47F 3/02; magazines for screws or nuts in combination with spanners, wrenches or screwdrivers B25B 23/06; for use in connection with the handling of sheets, webs, or filamentary material B65H)

83/02 • for dispensing rod-shaped articles, e.g. needles
83/04 • for dispensing annular, disc-shaped, or spherical or like small articles, e.g. tablets, pills
83/06 • for dispensing powdered or granular material
83/08 • for dispensing thin flat articles in succession (dispensers for surgical scalpel blades A61B 17/3215)
83/10 • • for dispensing razor-blades
83/12 • • for dispensing tickets or tokens
83/14 • for delivery of liquid or semi-liquid contents by internal gaseous pressure, i.e. aerosol containers
83/16 • • characterised by the actuating means **[5]**
83/18 • • • Container-carried hand lever **[5]**
83/20 • • • Actuator cap **[5]**
83/22 • • • with means to disable actuation (B65D 50/00 takes precedence) **[5]**
83/24 • • • with means to hold valve open **[5]**
83/26 • • • operating automatically, e.g. periodically **[5]**
83/28 • • Nozzles, nozzle fittings or accessories specially adapted therefor **[5]**
83/30 • • • for guiding the flow of spray **[5]**
83/32 • • Dip-tubes **[5]**
83/34 • • Cleaning or preventing clogging of the discharge passage **[5]**
83/36 • • allowing operation in any orientation **[5]**
83/38 • • Details of container body (pressure relief devices B65D 83/70) **[5]**
83/40 • • Closure caps (actuator caps B65D 83/20) **[5]**
83/42 • • Filling or charging means **[5]**
83/44 • • Valves specially adapted therefor; Regulating devices (filling or discharging means B65D 83/42; pressure relief devices B65D 83/70) **[5]**
83/46 • • • Tilt valves (B65D 83/50 takes precedence) **[5]**
83/48 • • • Lift valves, e.g. operated by push action (B65D 83/50 takes precedence) **[5]**
83/50 • • • Non-reclosable valves **[5]**
83/52 • • • for metering **[5]**
83/54 • • • • Metering valves **[5]**
83/56 • • shut-off when inverted **[5]**
83/58 • • Separate inlets for gas and material in duct to valve (B65D 83/60 takes precedence) **[5]**
83/60 • • Product and propellant separated **[5]**
83/62 • • • by membrane, bag, or the like **[5]**
83/64 • • • by piston **[5]**
83/66 • • • first separated, but finally mixed **[5]**
83/68 • • Dispensing two or more products **[5]**
83/70 • • Pressure relief devices **[5]**
83/72 • • with heating or cooling devices **[5]**
83/74 • • • heating by exothermic reaction **[5]**
83/76 • for dispensing fluent material by means of a piston or the like (hand tools for discharging fluent material through an outlet orifice by pressure B05C 17/005) **[5]**

85/00 Containers, packaging elements or packages, specially adapted for particular articles or materials (B65D 71/00, B65D 83/00 take precedence; hand implements, travelling equipment A45C; cosmetic or toilet equipment A45D; packages for surgical knives, scalpels or blades therefor A61B 17/3215; containers specially adapted for medical or pharmaceutical purposes A61J 1/00; paint cans B44D 3/12; oil cans F16N 3/04; containers for carrying smallarms F41C 33/06; packaging of ammunition or explosive charges F42B 39/00; containers for record carriers, specially adapted for cooperation with the recording or reproducing apparatus G11B 23/00) **[5, 6]**

Note(s)

Containers, packaging elements or packages classified in this group, are also classified according to the constructional or functional features, if such features are of interest.

85/02 • for annular articles (for web or tape-like material wound in flat spiral form B65D 85/671)
85/04 • • for coils of wire, rope, or hose
85/06 • • for tyres
85/08 • for compressible or flexible rod-shaped or tubular articles
85/10 • • for cigarettes
85/12 • • for cigars
85/14 • • for collapsible tubes
85/16 • for compressible or flexible articles of other shapes (for wearing apparel B65D 85/18)
85/18 • for wearing apparel, i.e. clothes, headgear, shoes
85/20 • for incompressible or rigid rod-shaped or tubular articles
85/22 • • for macaroni, spaghetti, or like flour products
85/24 • • for needles, nails, or other like elongated small articles
85/26 • • for welding electrodes
85/28 • • for pencils or pens (pencil boxes A45C 11/34)
85/30 • for articles particularly sensitive to damage by shock or pressure
85/32 • • for eggs
85/34 • • for fruit, e.g. apples, oranges, tomatoes
85/36 • • for biscuits or other bakery products
85/38 • • for optical or other delicate measuring, calculating, or control apparatus
85/40 • • • for watches or clocks or components thereof
85/42 • • for ampoules; for lamp bulbs; for electronic valves or tubes
85/44 • • for crockery
85/46 • • for bricks, tiles, or building blocks
85/48 • • for glass sheets
85/50 • for living organisms, articles, or materials sensitive to changes of environment or atmospheric conditions, e.g. land animals, birds, fish, water plants, non-aquatic plants, flower bulbs, cut flowers, foliage (devices for transporting live fish A01K 63/02)
85/52 • • for living plants; for growing bulbs
85/57 • for recording discs **[3]**
85/575 • for recording-tape cassettes **[5]**
85/58 • for ball bearings, washers, buttons, or like spherical or disc-shaped articles (cards for buttons, collar-studs, sleeve-links A44B 7/00) **[3]**
85/60 • for sweets or like confectionery products **[3]**
85/62 • for stacks of articles; for special arrangements of groups of articles **[3]**
85/64 • for bulky articles **[3]**
85/66 • for jumbo rolls; for rolls of floor covering **[3]**
85/67 • for other web or tape-like material (for recording-tape cassettes B65D 85/575) **[3, 5]**
85/671 • • wound in flat spiral form **[3]**
85/672 • • • on cores **[3]**
85/675 • • wound in helical form **[3]**
85/676 • • • on cores **[3]**
85/677 • • • • on flat cards **[3]**
85/68 • for machines, engines, or vehicles in assembled or dismantled form **[3]**

85/72 • for edible or potable liquids, semiliquids, or plastic or pasty materials **[3]**
85/73 • • with means specially adapted for effervescing the liquids, e.g. for forming bubbles or beer head **[7]**
85/74 • • for butter, margarine or lard **[3]**
85/76 • • for cheese **[3]**
85/78 • • for ice-cream **[3]**
85/80 • • for milk **[3]**
85/804 • Disposable containers or packages with contents which are infused or dissolved in situ **[7]**
85/808 • • for immersion in the liquid, e.g. tea bags **[7]**
85/812 • • • with features facilitating their suspension **[7]**
85/816 • • into which liquid is added, e.g. cups preloaded with powder or dehydrated food **[7]**
85/82 • for poisons **[3]**
85/84 • for corrosive chemicals **[3]**
85/86 • for electrical components (small electrical components attached to cards, sheets or webs B65D 73/02; for articles particularly sensitive to damage by shock or pressure B65D 85/30; for ampoules, lamp bulbs, electronic valves or tubes B65D 85/42) **[6]**
85/88 • • Batteries **[6]**
85/90 • • Integrated circuits **[6]**

88/00 **Large containers** (component parts, details or accessories B65D 90/00; gas holders of variable capacity F17B; vessels for containing or storing compressed, liquefied or solidified gases F17C) **[3]**
88/02 • rigid (B65D 88/34-B65D 88/78 take precedence; hoppers B65D 88/26) **[3]**
88/04 • • spherical (B65D 88/12 takes precedence) **[3]**
88/06 • • cylindrical (B65D 88/12 takes precedence) **[3]**
88/08 • • • with a vertical axis **[3]**
88/10 • • parallelepipedic (B65D 88/12 takes precedence) **[3]**
88/12 • • specially adapted for transport **[3]**
88/14 • • • by air **[3]**
88/16 • flexible (B65D 88/34-B65D 88/78 take precedence; hoppers B65D 88/26) **[3]**
88/18 • • bellows-shaped (B65D 88/22 takes precedence) **[3]**
88/20 • • with rigid end-walls (B65D 88/18, B65D 88/22 take precedence) **[3]**
88/22 • • specially adapted for transport **[3]**
88/24 • • • by air **[3]**
88/26 • Hoppers, i.e. containers having funnel-shaped discharge sections (B65D 88/34-B65D 88/78 take precedence) **[3]**
88/28 • • Construction or shape of discharge section **[3]**
88/30 • • specially adapted to facilitate transportation from one utilisation site to another (B65D 88/52 takes precedence) **[3]**
88/32 • • in multiple arrangement **[3]**
88/34 • having floating covers, e.g. floating roofs or blankets (venting means B65D 90/34) **[3]**
88/36 • • with relatively movable sections **[3]**
88/38 • • with surface water receiver, e.g. drain **[3]**
88/40 • • with support for aground cover **[3]**
88/42 • • with sealing means between cover rim and receptacle **[3]**
88/44 • • • with magnetic means acting on the seal **[3]**
88/46 • • • with mechanical means acting on the seal **[3]**
88/48 • • • with fluid means acting on the seal **[3]**
88/50 • • • with resilient foam or stuffed seal **[3]**
88/52 • collapsible, i.e. with walls hinged together or detachably connected **[3]**
88/54 • characterised by means facilitating filling or emptying (construction or shape of discharge section of hoppers B65D 88/28; gates or closures B65D 90/54) **[3]**
88/56 • • by tilting **[3]**
88/58 • • by displacement of walls **[3]**
88/60 • • • of internal walls **[3]**
88/62 • • • • the walls being deformable **[3]**
88/64 • • preventing bridge formation **[3]**
88/66 • • • using vibrating or knocking devices **[3]**
88/68 • • • using rotating devices **[3]**
88/70 • • • using fluid jets (B65D 88/72 takes precedence) **[3]**
88/72 • • Fluidising devices **[3]**
88/74 • having means for heating, cooling, aerating or other conditioning of contents **[3]**
88/76 • for use underground **[3]**
88/78 • for use in or under water **[3]**

90/00 **Component parts, details or accessories for large containers** (B65D 88/34-B65D 88/78 take precedence) **[3]**
90/02 • Wall construction **[3]**
90/04 • • Linings **[3]**
90/06 • • Coverings, e.g. for insulating purposes **[3]**
90/08 • • Interconnections of wall parts; Sealing means therefor **[3]**
90/10 • Manholes; Inspection openings; Covers therefor (safety features B65D 90/22) **[3]**
90/12 • Supports **[3]**
90/14 • • Legs, e.g. detachable **[3]**
90/16 • • Skids **[3]**
90/18 • • Castors, rolls, or the like, e.g. detachable **[3]**
90/20 • • Frames or nets, e.g. for flexible containers **[3]**
90/22 • Safety features (floating covers B65D 88/34; arrangements of indicating or measuring devices B65D 90/48) **[3]**
90/24 • • Spillage-retaining means, e.g. recovery ponds **[3]**
90/26 • • Overfill prevention (spillage retaining means B65D 90/24; arrangements of indicating or measuring devices B65D 90/48) **[3]**
90/28 • • Means for preventing or minimising the escape of vapours **[3]**
90/30 • • Recovery of escaped vapours **[3]**
90/32 • • Arrangements for preventing, or minimising the effect of, excessive or insufficient pressure **[3]**
90/34 • • • Venting means **[3, 5]**
90/36 • • • Weakened parts **[3]**
90/38 • • Means for reducing the vapour space or for reducing the formation of vapour within containers **[3]**
90/40 • • • by use of fillings of porous materials **[3]**
90/42 • • • by use of particular materials for covering surface of liquids **[3]**
90/44 • • • by use of inert gas for filling space above liquid or between contents **[3]**
90/46 • • Arrangements for carrying off, or preventing the formation of electrostatic charges **[3]**
90/48 • Arrangements of indicating or measuring devices **[3]**
90/50 • • of leakage-indicating devices **[3]**
90/52 • Anti-slosh devices **[3]**
90/54 • Gates or closures (for manholes B65D 90/10; covers or similar closure members, for pressure vessels in general F16J 13/00) **[3]**

90/56 • • operating by deformation of flexible walls **[3]**
90/58 • • having closure members sliding in the plane of the opening **[3]**
90/60 • • • and having one or more openings **[3]**
90/62 • • having closure members movable out of the plane of the opening **[3]**
90/64 • • having multipart closure members, the parts being brought into closing position one by one according to need **[3]**
90/66 • • Operating devices therefor **[3]**