

ECLA**EUROPEAN CLASSIFICATION****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**

(containers specially adapted for storing agricultural or horticultural products [A01F25/14](#); containers specially adapted for use in dairies [A01J](#); travelling bags or baskets, suitcases [A45C](#); travelling or camp equipment [A45F](#); [N: linkable display containers [A47B87/00C](#)]; household or table equipment [A47G](#); letter-boxes for home use [A47G29/12](#); kitchen equipment [A47J](#); associated with vehicles, see the appropriate subclass of [B60](#) to [B64](#); machines, apparatus, or devices for, or methods of, packaging articles or materials [B65B](#); sack holders [B65B67/00](#); refuse receptacles [B65F1/00](#); handling sheets, webs or filamentary material [B65H](#); load-engaging elements or devices attached to lifting or lowering gear of cranes or adapted for connection therewith for transmitting lifting forces [B66C](#); liquid handling [B67](#); storing gases [F17](#); [N: packaging for photosensitive or like materials [G03](#), e.g. [G03C3/00](#)]; making containers, see subclasses dealing with the working of the material concerned) [[C9809](#)]

[N: **WARNING** [[C2012.07](#)]

- The following IPC groups are not used in the internal ECLA classification scheme. Subject matter covered by these groups is classified in the following ECLA groups:

B65D5/34	covered by	B65D5/32B2A
B65D5/35	covered by	B65D5/32
B65D5/355	covered by	B65D5/00A
B65D5/43	covered by	B65D5/42
B65D5/462	covered by	B65D5/46A to B65D5/46A3
B65D5/465	covered by	B65D5/46A to B65D5/46A3
B65D5/468	covered by	B65D5/46B1
B65D5/472	covered by	B65D5/46A4
B65D5/475	covered by	B65D5/46A
B65D5/478	covered by	B65D5/46A5
B65D5/4805 - B65D5/489	covered by	B65D5/48A
B65D5/49 - B65D5/499	covered by	B65D5/48B
B65D5/63	covered by	B65D5/72
B65D6/00 - B65D6/40	covered by	B65D7/00 , B65D9/00 ,
B65D11/00 , B65D15/00		
B65D8/00 - B65D8/22	covered by	B65D7/00 , B65D9/00 ,
B65D11/00 , B65D15/00		
B65D19/22	covered by	B65D19/00C & subgroups
B65D19/24	covered by	B65D19/00C & subgroups
B65D19/26	covered by	B65D19/00C & subgroups
B65D19/28	covered by	B65D19/00C & subgroups
B65D19/30	covered by	B65D19/00C & subgroups
B65D19/31	covered by	B65D19/00C & subgroups
B65D19/34	covered by	B65D19/00C & subgroups
B65D17/28 - B65D17/48 , B65D17/52	covered by	B65D17/16 to
B65D17/26		
B65D19/32	covered by	B65D19/00A , B65D19/00C
B65D21/024	covered by	B65D21/02B
B65D21/028	covered by	B65D21/02B2
B65D21/032	covered by	B65D21/02E2
B65D21/036	covered by	B65D21/02E7
B65D25/26	covered by	B65D81/02

B65D30/00 - B65D30/28	covered by	B65D29/00 , B65D31/00
B65D33/17	covered by	B65D33/16D2
B65D33/36	covered by	B65D75/58
B65D33/38	covered by	B65D75/58G
B65D35/48 - B65D35/54	covered by	B65D47/20E
B65D39/18	covered by	B65D39/00 +s.gr.
B65D41/01	covered by	B65D41/00
B65D43/03	covered by	B65D43/00 + L65D43/00A
B65D47/22	covered by	B65D47/20
B65D47/34	covered by	B05B11/00
B65D50/06	covered by	B65D55/02E
B65D50/08	covered by	B65D55/02
B65D50/10	covered by	B65D55/02
B65D50/12	covered by	B65D55/02
B65D50/14	covered by	B65D55/02
B65D65/26 - B65D65/32	covered by	B65D75/58
B65D65/34	covered by	B65D75/66
B65D65/36	covered by	B65D75/58
B65D71/52 - B65D71/68	covered by	B65D71/00B to B65D71/00B5
B65D75/60 - B65D75/64	covered by	B65D75/58
B65D81/15	covered by	B65D81/05
B65D81/17	covered by	B65D81/02
B65D83/18 - B65D83/74	covered by	B65D83/14 , B65D83/16
B65D83/18	covered by	B65D83/20B
B65D83/58	covered by	B65D83/44
B65D83/76	covered by	B65D83/00A
B65D85/57	covered by	G11B23/00
B65D85/575	covered by	G11B23/00
B65D85/86 - B65D85/90	covered by	H01L21/00S , H05K13/00
B65D91/00	covered by	A47G29/12

[N: **Note** [N1207]

In this subclass, the indexing codes of [L65D519/00Y](#) - [L65D519/00Y4L3](#) should be added, if applicable

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Note

1. This subclass covers:
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 [B65D5/00](#), [B65D27/00](#), [B65D30/00](#) or [B65D65/00](#) 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 [B65D85/00](#), are also classified according to the constructional or functional features, if such features are of interest [6]
5. 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. combination 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 [B65D88/00](#) or [B65D90/00](#), means containers having about the size of containers used in container traffic, sometimes referred to as freight, forwarding or "ISO" (International Standardization) containers, or larger containers [3]
6. Tamper-indicating means for containers or closures are classified in the group appropriate to the type of container or closure, e.g. [B65D5/43](#), [B65D5/54](#), [B65D17/00](#), [B65D27/30](#), [B65D27/30](#), [B65D27/34](#), [B65D33/34](#), [B65D41/32](#), [B65D47/36](#), [B65D49/12](#), [B65D51/20](#), [B65D55/06](#) [5]

Guide heading: **General kinds of rigid or semi-rigid containers** ([large containers B65D88/00](#))

B65D1/00 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, by deep-drawing operations performed on sheet material (by winding, bending, or folding paper [B65D3/00](#), [B65D5/00](#); specially constructed to be opened by cutting, piercing, or tearing of wall portions [B65D17/00](#); pallets [B65D19/00](#); details of bottles or of jars [B65D23/00](#); bundles of articles held together by packaging elements for convenience of storage or transport, e. g. portable segregating carriers for plural receptacles such as beer cans, pop bottles, [B65D71/00](#))

B65D1/02 . Bottles or similar containers with necks or like restricted apertures, designed for pouring contents (thermally-insulated containers [B65D81/38](#), [A47J41/00](#); [N: feeding-bottles [A61J9/00](#)])

B65D1/02B . . [N: characterised by material, e.g. composition, physical features]

- B65D1/02B1 . . . [N: multilayered ([B65D81/38F](#) takes precedence)] [C9911]
- B65D1/02D . . [N: characterised by shape]
- B65D1/02D1 . . . [N: Neck construction]
- B65D1/02D1A [N: Integral frangible closures]
- B65D1/02D1B [N: Closure retaining means, e.g. beads, screw-threads]
- B65D1/02D1C [N: Means facilitating removal of the closure, e.g. cams, levers]
- B65D1/02D2 . . . [N: Bottom construction ([B65D1/06](#) takes precedence)]
- B65D1/02D2A [N: Openers]
- B65D1/02D2C [N: having a continuous contact surface, e.g. Champagne-type bottom] [N0610]
- B65D1/02D2E [N: having a discontinuous contact surface, e.g. discrete feet] [N0610]
- B65D1/02D3 . . . [N: Foldable bottles]
- B65D1/04 . . Multi-cavity bottles
- B65D1/06 . . with closable apertures at bottom
- B65D1/08 . . adapted to discharge drops ([droppers B65D47/18](#))

- B65D1/09 . Ampoules ([specially adapted for medical or pharmaceutical purposes A61J1/06](#)) [N9503]
- B65D1/09D . . [N: made of flexible material] [N9503]

- B65D1/10 . Jars, e.g. for preserving foodstuffs [N: ([B65D81/38F](#) takes precedence)] [C9911]

- B65D1/12 . Cans, casks, barrels, or drums
- B65D1/14 . . characterised by shape
- B65D1/16 . . . of curved cross-section, e.g. cylindrical
- B65D1/16B [N: Cylindrical cans] [N9705]
- B65D1/18 . . . of polygonal cross-section
- B65D1/20 . . characterised by location or arrangement of filling or discharge apertures

- B65D1/22 . Boxes or like containers with side walls of substantial depth for enclosing contents [N: ([B65D43/16B](#), [B65D81/02](#), [B65D81/38B](#) take precedence)] [C9911]
- B65D1/22B . . [N: Collapsible boxes]
- B65D1/24 . . with moulded compartments or partitions
- B65D1/24B . . . [N: Crates for bottles or like containers] [N9609]
- B65D1/24B1 [N: Cover elements inserted in crates] [N9609]
- B65D1/26 . . Thin-walled containers, e.g. formed by deep-drawing operations [N: ([B65D1/16B](#) takes precedence)] [C9705]
- B65D1/26B . . . [N: Drinking cups ([B65D81/38H](#) takes precedence, holders for plastic cups [A47G23/02A](#))] [C9911]
- B65D1/28 . . . formed of laminated material
- B65D1/30 . . . Groups of containers joined together end-to-end or side-by-side

- B65D1/32 . Containers adapted to be temporarily deformed by external pressure to expel contents ([N: [B65D47/20E](#), [B65D83/00B](#) take precedence]; containers for pharmaceutical purposes [A61J1/20](#), [A61M5/19](#); containers with disinfecting linings [A61L2/00](#); liquid sprayers [B05B](#); Kaufman type dispensers based on the siphon principle, e.g. for ketchup, [B67D5/02C](#); oil cans [F16N3/00](#)) [C0710]

- B65D1/32C . . [N: the container comprising internally a dip tube through which the contents pass] [N0202]
- B65D1/32D . . [N: the container comprising an, externally located, integrally formed tube through which the contents pass (**integrally formed suction tubes B65D77/28D**)] [N0202]
- B65D1/34 . Trays or like shallow containers [N: [B65D81/38B](#) takes precedence] [C9911]
- B65D1/36 . . with moulded compartments or partitions
- B65D1/38 . Baskets or like containers of skeleton or apertured construction, [N: (**crates for bottles or like containers B65D1/24B**)] [C9609]
- B65D1/40 . Details of walls (**other container details B65D23/00, B65D25/00**)
- B65D1/42 . . Reinforcing or strengthening parts or members
- B65D1/44 . . . Corrugations
- B65D1/46 . . . Local reinforcements, e.g. adjacent closures
- B65D1/48 . . . Reinforcements of dissimilar materials, e.g. metal frames in plastic walls
- B65D3/00** **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 B65D15/00**)
- B65D3/02 . characterised by shape
- B65D3/04 . . essentially cylindrical
- B65D3/06 . . essentially conical or frusto-conical
- B65D3/08 . . having a cross-section of varying shape, e.g. circular merging into square or rectangular
- B65D3/10 . characterised by form of integral or permanently secured end closure
- B65D3/12 . . Flanged discs permanently secured, e.g. by adhesives, by heat-sealing
- B65D3/14 . . . Discs fitting within container end and secured by bending, rolling, or folding operations
- B65D3/16 . . Discs without flanges engaging a groove in the container body
- B65D3/18 . . . and secured by rolling in the end of the body
- B65D3/20 . . with end portion of body adapted to be closed, by flattening or folding operations, e.g. formed with crease lines or flaps
- B65D3/22 . with double walls; with walls incorporating air-chambers; with walls made of laminated material [N: (**for thermal insulating purposes B65D81/38B2**)] [C9911]
- B65D3/24 . with several compartments
- B65D3/26 . Opening arrangements or devices incorporated in, or attached to, containers
- B65D3/26B . . [N: the opening arrangement being located in the container side wall] [N9802]
- B65D3/26B1 . . . [N: forming a circumferential line of weakness] [N9802]
- B65D3/26B1C [N: and having an attached or applied tearing or reinforcing element] [N9802]
- B65D3/26B2 . . . [N: forming a longitudinal line of weakness] [N9802]
- B65D3/26B2C [N: and having an attached or applied tearing or reinforcing element] [N9802]
- B65D3/26B3 . . . [N: forming a helical line of weakness] [N9802]

- B65D3/26B3C [N: and having an attached or applied tearing or reinforcing element] [N9802]
- B65D3/26D . . . [N: the opening arrangement being located in a container closure] [N9802]

- B65D3/28 . Other details of walls
- B65D3/30 . . Local reinforcements, e.g. metallic rims

- B65D5/00** **Containers of polygonal cross-section, e.g. boxes, cartons, trays, formed by folding or erecting one or more blanks made of paper** (pallets [B65D19/00](#); bundles of articles held together by packaging elements for convenience of storage or transport, e.g. portable segregating carriers for plural receptacles such as beer cans, pop bottles, [B65D71/00](#); forming foldable or erectable blanks [B31B](#))

- B65D5/00A . [N: of variable capacity (in general [B65D21/08](#))]
- B65D5/00B . [N: stackable (in general [B65D21/02](#))]
- B65D5/00B2 . . [N: the container being formed by folding up portions connected to a central panel]
- B65D5/00B2A . . . [N: having integral corner posts ([B65D5/00B2D](#) and [B65D5/00B4D](#) take precedence)]
- B65D5/00B2A1 [N: the corner posts being formed as a prolongation of a doubled-over extension of the side walls]
- B65D5/00B2C . . . [N: having ledges formed by extensions of the side walls ([B65D5/00B2D](#) and [B65D5/00B4D](#) take precedence)]
- B65D5/00B2C1 [N: the ledges being located between side walls and doubled-over extensions ([B65D5/00B2A1](#) takes precedence)]
- B65D5/00B2C1A [N: with separate means inserted between the doubled-over side walls for preventing lateral motion between stacked crates, i.e. the elements themselves not presenting stacking features, e.g. "n" shaped wires]
- B65D5/00B2D . . . [N: having both integral corner posts and ledges]
- B65D5/00B4 . . [N: Separate or attached stacking elements]
- B65D5/00B4A . . . [N: saddling the side walls of the container ([B65D5/00B4C](#) takes precedence)]
- B65D5/00B4C . . . [N: Separate corner posts and like elements ([B65D5/00B4D](#) takes precedence)]
- B65D5/00B4D . . . [N: Separate elements inserted in or attached to integral corner posts or ledges]
- B65D5/00B4F . . . [N: Wooden elements affixed to the container blank before or during erection]
- B65D5/00B4G . . . [N: Paper elements affixed to the container blank before or during erection]

- B65D5/00C . [N: the container body having a pyramidal shape]

- B65D5/00D . [N: the container body comprising two mating compartments hinged together ([B65D77/00D](#) takes precedence)] [N9909]

- B65D5/00E . [N: the container body comprising a set of interconnected cells, e.g. hinged one to another] [N9909]

- B65D5/00L . [N: the container body having an L-shaped configuration] [N9909]

- B65D5/02 . 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 ([B65D5/36](#) takes precedence)

- B65D5/02A . . [N: the tubular body having a curved or partially curved cross-section]

- B65D5/02B . . [N: with end closures having an axially movable end wall; the end wall and body being interconnected by foldable panel-elements]
- B65D5/02C . . [N: with end closures formed by inward folding of flaps and securing them by heat-sealing, adhesive applied to the flaps or staples (by adhesive tapes [B65D5/02D](#))] [C9505]
- B65D5/02D . . [N: with end closures formed by inward folding of flaps and securing them by adhesive tapes, labels or the like; for decoration purposes ([B65D5/42E2H](#), [B65D5/42E3H](#) take precedence)] [C0008]
- B65D5/02E . . [N: with end closures formed by inward folding of flaps, to form a sunken or hollow end wall, e.g. for the packaging of books (internal supporting elements [B65D5/50](#))]
- B65D5/02F . . [N: with end closures formed by inward folding of flaps and securing means of them by means of a tongue integral with one of the flaps]
- B65D5/02G . . [N: with end closures formed by inward folding of flaps, three of them being formed of a continuous strip, the fourth being a separate flap]
- B65D5/02H . . [N: with end closures formed by applying a web on the edge of the body, and subsequent inward folding of flaps]
- B65D5/02J . . [N: the tubular body presenting double or multiple walls (for thermal insulating purposes [B65D81/38G2](#))] [C9911]
- B65D5/02K . . [N: the tubular body presenting a special shape (pyramidal [B65D5/00C](#))]
- B65D5/04 . . the tubular body having no end closures (shells of drawer-and-shell type containers [B65D5/38](#))
- B65D5/06 . . with end-closing or contents-supporting elements formed by folding inwardly a wall extending from, and continuously around, an end of the tubular body
- B65D5/06B . . . [N: Rectangular containers having a body with gusset-flaps folded inwardly beneath the closure flaps]
- B65D5/06B1 [N: with supplemental means facilitating the opening, e.g. tear lines, tear tabs]
- B65D5/06B2 [N: with supplemental clamping elements mounted on the container top]
- B65D5/06C . . . [N: Rectangular containers having a body with gusset-flaps folded outwardly or adhered to the side or the top of the container]
- B65D5/06C1 [N: with supplemental means facilitating the opening, e.g. tear lines, tear tabs]
- B65D5/06C2 [N: with supplemental clamping elements mounted on the container top]
- B65D5/06D . . . [N: Gable-top containers]
- B65D5/06D1 [N: with supplemental means facilitating the opening, e.g. tear lines, tear tabs]
- B65D5/06D2 [N: with supplemental clamping elements mounted on the fin of the container-top]
- B65D5/08 . . 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 [B65D5/06](#))
- B65D5/10 . . with end closures formed by inward-folding of self-locking flaps hinged to tubular body
- B65D5/10A . . . [N: one of the self-locking flaps having a tongue engaging into an opening of an opposite flap] [N0902]
- B65D5/10A1 [N: the opening being a slot] [N0902]
- B65D5/12 . . with end closures formed separately from tubular body
- B65D5/14 . . . with inset end closures

- B65D5/16 . . . 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 [B65D5/72](#))

- B65D5/18 . . . 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 ([B65D5/36](#) takes precedence)

- B65D5/20 . . . by folding-up portions connected to a central panel from all sides to form a container body, e.g. of tray-like form ([B65D5/36](#) takes precedence)

- B65D5/20A . . . [N: the container body having hollow side-walls]
- B65D5/20A1 [N: all formed by folding extensions of the side walls] [N9608]
- B65D5/20C . . . [N: the central panel having a non rectangular shape] [N9906]
- B65D5/20C1 [N: with at least partially curved edges or the like] [N9906]
- B65D5/20C1A [N: the folded-up portions being folded along non-rectilinear fold-lines] [N9906]
- B65D5/20C2 [N: triangular] [N9906]
- B65D5/20C3 [N: polygonal having more than four sides, e.g. hexagonal, octagonal] [N9906]
- B65D5/20D . . . [N: at least two opposed folded-up portions having a non-rectangular shape] [N9906]
- B65D5/20D1 [N: triangular] [N9906]
- B65D5/20D2 [N: trapezoidal, e.g. to form a body with diverging side walls ([B65D5/20C3](#) takes precedence)] [N9906]
- B65D5/20E . . . [N: characterised by integral closure-flaps] [N9906]
- B65D5/20E1 [N: Inter-engaging self-locking flaps ([B65D5/42E3F](#) takes precedence)] [N9906] [C0008]
- B65D5/20E1A [N: of triangular shape] [N9906]
- B65D5/20E2 [N: Cooperating flaps fixed together by separate mechanical elements, e.g. staples, clips, straps, labels, tape] [N9906]
- B65D5/20E2A [N: of triangular shape] [N9906]
- B65D5/20E3 [N: Cooperating flaps glued together] [N9906]
- B65D5/20E3A [N: of triangular shape] [N9906]
- B65D5/20F . . . [N: the central panel having incisions defining foldable flaps hinged to its edges] [N9906]
- B65D5/20J . . . [N: the adjacent edges of folded-up portions being joined by moulding seams in situ] [N9906]
- B65D5/20L . . . [N: a part of the folded-up portions defining an inwardly folded ledge at the edges of the central panel] [N9906]
- B65D5/22 . . . held erect by extensions of one or more sides being doubled-over to enclose extensions of adjacent sides
- B65D5/24 . . . with adjacent sides interconnected by gusset folds
- B65D5/24A [N: and the gussets folds connected to the inside of the container body ([B65D5/24D](#) and [B65D5/24E](#) take precedence)] [N1106]
- B65D5/24A1 [N: the gussets folds comprising more than two gusset panels] [N1106]
- B65D5/24A3 [N: the container body comprising a continuous rim or flange] [N1106]
- B65D5/24C [N: and the gussets folds connected to the outside of the container body ([B65D5/24D](#), [B65D5/24E](#) take precedence)] [N1106]

- B65D5/24C1 [N: the gussets folds comprising more than two gusset panels] [N1106]
- B65D5/24C3 [N: the container body comprising a continuous rim or flange] [N1106]
- B65D5/24D [N: and being maintained in erected condition by integral mechanical locking means formed on, or coating with, the gusset folds, e.g. locking tabs, tongue and slit ([B65D5/24B](#) takes precedence)]
- B65D5/24E [N: and at least one side being extended and doubled-over to enclose the adjacent gusset flaps] [N1106]
- B65D5/26 . . with extensions of opposite sides mutually interlocking to lie against other sides
- B65D5/28 . . 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
- B65D5/30 . . with tongue-and-slot or like connections between sides and extensions of other sides
- B65D5/30B [N: the tongue being a part of a lateral extension of a side wall] [N9905]
- B65D5/30B1 [N: combined with a slot provided in an adjacent side wall] [N9905]
- B65D5/30B1A [N: the tongue being folded over after being introduced in the slot] [N9905]
- B65D5/30B2 [N: combined with a slot provided at the fold line between an adjacent side wall and a lateral extension thereof] [N9905]
- B65D5/30B3 [N: combined with a tongue provided in an adjacent side wall] [N9905]
- B65D5/30D [N: the slot being provided in a lateral extension of a side wall combined with a tongue being a part of an adjacent side wall] [N9905]
- B65D5/32 . . having bodies formed by folding and interconnecting two or more blanks [N: each blank forming a body part, whereby each body part comprises at least one outside face of the box, carton or tray] [C0011]
- B65D5/32A . . . [N: at least one container body part formed by folding up portions of a single blank connected to a central panel from all sides] [N0011]
- B65D5/32B . . . [N: at least one container body part formed by folding a single blank to essentially U-shape with or without extensions which form openable lid elements] [N0011]
- B65D5/32B1 [N: and two further opposed body panels formed from two essentially planar blanks] [N0011]
- B65D5/32B2 [N: at least two container body parts, each formed by folding a single blank to essentially U-shape] [N0011]
- B65D5/32B2A [N: whereby one blank forms three sides of the body, and the other blank forms the remaining sides, a hinged lid, and the opposite end closure] [N0011]
- B65D5/32C . . . [N: at least one container body part formed by folding a single blank to a permanently assembled tube] [N0011]
- B65D5/32C1 [N: at least two container body parts, each formed by folding a single blank to a permanently assembled tube] [N0011]
- B65D5/32C1A [N: and the tubular body parts being aligned axially to form a container] [N0011]
- B65D5/36 . . specially constructed to allow collapsing and re-erecting without disengagement of side or bottom connections
- B65D5/36B . . . [N: formed by folding or erecting a single blank]
- B65D5/36B2 [N: to form a tubular body, at least one of the ends of the body remaining connected]
- B65D5/36B2A [N: collapsed along two fold lines of the tubular body]

- B65D5/36B2C [N: collapsed along median lines of two opposite sides of the rectangular tubular body]
- B65D5/36B4 [N: by folding-up portions connected to a central panel from all sides to form a container body]
- B65D5/36B4A [N: the secured corners presenting diagonal, bisecting or similar folding lines, the central panel presenting no folding line]
- B65D5/36B4A1 [N: the extensions of one or more sides being doubled-over to enclose extensions of adjacent sides]
- B65D5/36B4A3 [N: the adjacent sides being interconnected by gusset folds]
- B65D5/36B4A3B [N: and at least one side being extended and doubled-over to enclose the adjacent gusset flaps]
- B65D5/36B4A5 [N: the sides being connected to extensions of other sides by tongue-and-slot connections]
- B65D5/36B4C [N: collapsed along median lines of two opposite sides and the central panel]
- B65D5/36B6 [N: by folding the blank to U-shape to form the base and opposite sides, the remaining sides being formed by extensions of these opposite sides]
- B65D5/36D . . . [N: Devices formed separately from container body for holding in erected state, e.g. rubber bands, carton strips]

- B65D5/38 Drawer-and-shell type containers

- B65D5/40 specially constructed to contain liquids

- B65D5/42 Details of containers or of foldable or erectable container blanks
- B65D5/42B [N: Inspection openings or windows]
- B65D5/42D [N: Means facilitating suspending, lifting, handling, or the like of containers (**handles [B65D5/46](#)**)]
- B65D5/42E [N: Information or decoration elements, e.g. content indicators, or for mailing (**[B65D5/52G](#) takes precedence**)] [C0008]
- B65D5/42E1 [N: Cards, coupons or the like formed integrally with, or printed directly on, the container or lid] [N0008]
- B65D5/42E1B [N: as an extra panel or panels folded against or inside the container (**[B65D5/42E2B](#) takes precedence**)] [N0008]
- B65D5/42E1C [N: as an extra panel or panels projecting out of the plane of the container (**[B65D5/42E2C](#) takes precedence**)] [N0008]
- B65D5/42E1D [N: in the form of a detachable panel] [N0008]
- B65D5/42E2 [N: Cards, coupons, labels or the like formed separately from the container or lid] [N0008]
- B65D5/42E2B [N: located in a compartment formed by a container wall and additional panel or panels formed integrally with the container] [N0008]
- B65D5/42E2C [N: located in a compartment formed by a double-walled panel projecting out of the plane of the container] [N0008]
- B65D5/42E2H [N: Bands covering at least 3 adjacent faces of a container (**[B65D5/42E3H](#) takes precedence**)] [N0008]
- B65D5/42E3 [N: Decoration elements] [N0008]
- B65D5/42E3F [N: formed by two or mating closure panels, e.g. forming a butterfly, bow-tie, etc.] [N0008]
- B65D5/42E3G [N: providing 3-dimensional perspective images by means of two or more spaced apart images] [N0008]

- B65D5/42E3H [N: Bands covering at least 3 adjacent faces of a container provided with a decoration, e.g. bow] [N0008]
- B65D5/42F . . [N: Folding lines, score lines, crease lines]
- B65D5/42H . . [N: Individual packages joined together, e.g. by means of integral tabs ([B65D5/54G](#) takes precedence)] [N9806]
- B65D5/42H2 . . . [N: by bonding, adhesive, hook and loop-type fastener or the like] [N9806]
- B65D5/42J . . [N: Joints, seams, leakproof joints or corners, special connections between panels ([B65D5/20J](#) takes precedence)] [C0008]
- B65D5/42J1 . . . [N: Connections formed by separate elements, e.g. clips, bands, straps ([B65D5/02C](#), [B65D5/02D](#) take precedence)]
- B65D5/42J1A [N: the container being formed by folding-up portions connected to a central panel from all sides, adjacent sides being interconnected by gusset folds and the container being maintained in erected condition by means of the separate connectors coacting with the gusset folds]
- B65D5/42K . . [N: Containers provided with an acoustic device, e.g. for indicating opening of the package] [N0010]
- B65D5/42V . . [N: Ventilating arrangements, e.g. openings, space elements]
- B65D5/44 . . Integral, inserted or attached portions forming internal or external fittings [N: not used, see subgroups]
- B65D5/44B . . . [N: Reinforcements ([linings B65D5/56](#))]
- B65D5/44B1 [N: Integral reinforcements, e.g. folds, flaps ([double walls B65D5/02](#))]
- B65D5/44B2 [N: Reinforcements formed separately from the container]
- B65D5/44B2B [N: Wooden reinforcements]
- B65D5/44B2C [N: Metal or wire reinforcements]
- B65D5/46 . . . Handles
- B65D5/46A [N: formed separately from the container body]
- B65D5/46A1 [N: Straps used as handles fixed to the container by glueing, stapling, heat-sealing ([for packages in wrappers B65D75/56](#))]
- B65D5/46A2 [N: Straps used as handles with anchoring elements fixed in slots]
- B65D5/46A3 [N: Handles with anchoring elements, e.g. formed by folding a blank ([B65D5/46A6](#) takes precedence; [straps B65D5/46A2](#))]
- B65D5/46A3A [N: not formed by folding a blank]
- B65D5/46A4 [N: made of metal wire]
- B65D5/46A5 [N: made of cord]
- B65D5/46A6 [N: formed by folding a blank serving also as a partition in the container]
- B65D5/46B [N: integral with the container]
- B65D5/46B1 [N: Handgrip holes]
- B65D5/46B2 [N: formed by extensions of closure flaps, by closure flaps or by extensions of side flaps of a container formed by folding a blank to form a tubular body]
- B65D5/46B2A [N: two opposite closure flaps being provided with handle elements which are in contact with each other] [N9603]
- B65D5/46B2A1 {7 dots} [N: at least one of the other closure flaps being provided with a slit which completely encompasses the two handle elements to maintain the handle in position] [N9603]
- B65D5/46B2A2 {7 dots} [N: either the handle elements being formed with lugs which engage with the other side walls or closure flaps, or the other closure flaps folding over a part of the handle to maintain the

		handle in position] [N9603]
B65D5/46B3	. . . . .	[N: formed by extensions of side flaps or by side flaps of a container formed by folding-up portions connected to a central panel from all sides]
B65D5/46B3A	. . . . .	[N: two opposite closure flaps being provided with handle elements which are in contact with each other] [N9603]
B65D5/46B3A1	. . . . .	{7 dots} [N: at least one of the other closure flaps being provided with a slit which completely encompasses the two handle elements to maintain the handle in position] [N9603]
B65D5/46B3A2	. . . . .	{7 dots} [N: either the handle elements being formed with lugs which engage with the other side walls or closure flaps, or the other closure flaps folding over a part of the handle to maintain the handle in position] [N9603]
B65D5/46B4	. . . . .	[N: formed in closure flaps of a container formed by folding a blank to U-shape to form the base and opposite sides, the remaining sides being formed by extensions of these opposite sides]
B65D5/46B4A	. . . . .	[N: two opposite closure flaps being provided with handle elements which are in contact with each other] [N9603]
B65D5/46B4A1	. . . . .	{7 dots} [N: at least one of the other closure flaps being provided with a slit which completely encompasses the two handle elements to maintain the handle in position] [N9603]
B65D5/46B4A2	. . . . .	{7 dots} [N: either the handle elements being formed with lugs which engage with the other side walls or closure flaps, or the other closure flaps folding over a part of the handle to maintain the handle in position] [N9603]
B65D5/46B5	. . . . .	[N: formed by extensions of parts of the blank, serving also as a partition in the container]
B65D5/46B6	. . . . .	[N: formed by incisions in the container or blank forming straps used as handles]
B65D5/48	. . . . .	Partitions
B65D5/48A	. . . . .	[N: integral]
B65D5/48A1	. . . . .	[N: Squaring, i.e. at least four not aligned compartments] [C9908]
B65D5/48A1A	. . . . .	[N: Longitudinal partition provided with cut flaps folded perpendicular to the partition]
B65D5/48A1B	. . . . .	[N: formed by folding extensions hinged to the upper or lower edges of a tubular body (B65D5/48A1A takes precedence)]
B65D5/48A1C	. . . . .	[N: formed by folding extensions of side panels of a "cross-like" body blank]
B65D5/48A1D	. . . . .	[N: combined with inserted partitions]
B65D5/48A2	. . . . .	[N: formed by folding extensions hinged to the side edges of a tubular body (B65D5/48A1 takes precedence; partition separated by erecting the body B65D5/48B6)]
B65D5/48A3	. . . . .	[N: formed by folding extensions hinged to the upper or lower edges of a tubular body (B65D5/48A1B takes precedence)]
B65D5/48A4	. . . . .	[N: formed by folding extensions of side panels of a "cross-like" body blank (B65D5/48A1C takes precedence)]
B65D5/48A5	. . . . .	[N: formed by folding inwardly portions cut in the body (B65D5/48A1A takes precedence)]
B65D5/48A6	. . . . .	[N: formed by two parallel panels located in the base of a tray being folded up towards each other] [N9605]
B65D5/48B	. . . . .	[N: inserted]

B65D5/48B1	. . . . .	[N: Squaring or like elements, e.g. honeycomb element, i.e. at least four not aligned compartments (B65D5/48A1D takes precedence)] [C9908]
B65D5/48B1A	. . . . .	[N: formed by folding a single blank (B65D5/48B1C1 takes precedence)]
B65D5/48B1B	. . . . .	[N: not made of paper, e.g. of moulded plastic]
B65D5/48B1C	. . . . .	[N: made of paper, provided with an at least partial bottom]
B65D5/48B1C1	. . . . .	{7 dots} [N: by folding a single blank]
B65D5/48B1D	. . . . .	[N: Longitudinal partition provided with cut flaps folded perpendicular to the partition]
B65D5/48B1E	. . . . .	[N: Strips crossing each other]
B65D5/48B2	. . . . .	[N: formed by folding strips essentially in tubes, U- or S-shape]
B65D5/48B3	. . . . .	[N: Strip provided with series of folding lines forming the partitions]
B65D5/48B4	. . . . .	[N: Blank provided with cut flaps folded perpendicular to the blank (B65D5/48B1 takes precedence)]
B65D5/48B5	. . . . .	[N: Plain strips not fixed by gluing or other fastening elements (B65D5/48B6 takes precedence)]
B65D5/48B6	. . . . .	[N: Single partition formed by folding one or more blanks and provided with flaps fixed to or maintained by parts of the container body (B65D5/48B2 takes precedence)]
B65D5/50	. . . . .	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 B65D5/06 ; partitions B65D5/48)
B65D5/50A	. . . . .	[N: Integral elements for containers having tubular body walls]
B65D5/50A1	. . . . .	[N: formed as an extension of the end closures (hollow or recessed end closures B65D5/02E)] [C9507]
B65D5/50A2	. . . . .	[N: formed by inwardly protruding of folded parts of the body]
B65D5/50A2P	. . . . .	[N: in combination with the end closures or extensions thereof]
B65D5/50A3	. . . . .	[N: formed by folding inwardly of extensions hinged to the upper or lower edges of the body]
B65D5/50A3B	. . . . .	[N: and with an integral end closure (B65D5/50A1 takes precedence)] [N9507]
B65D5/50A4	. . . . .	[N: formed by folding inwardly of extensions hinged to the side edges of the body]
B65D5/50A5	. . . . .	[N: formed by openings in the body walls]
B65D5/50B	. . . . .	[N: Integral elements for containers formed by folding-up portions connected to a central panel from all sides]
B65D5/50C	. . . . .	[N: Integral elements for containers of other type, e.g. formed by folding a blank to U-shape]
B65D5/50C1	. . . . .	[N: Hollow frame-like elements surrounding the object]
B65D5/50D	. . . . .	[N: Elements formed separately from the container body]
B65D5/50D1	. . . . .	[N: Tray-like elements formed in one piece (formed by folding a blank B65D5/50D4B)]
B65D5/50D2	. . . . .	[N: Corner pads or corner posts]
B65D5/50D4	. . . . .	[N: Paper elements (in combination with wooden elements B65D5/50D6A)]
B65D5/50D4B	. . . . .	[N: Tray-like elements formed by folding a blank and presenting openings or recesses (without external box B65D71/00E1 ; external face of container provided with opening for receiving object in display

			position B65D5/52M1)] [C0008]
B65D5/50D4C	. . . . .	[N: Racks having upstanding ridges formed by folds, and provided with slits or recesses]	
B65D5/50D4D	. . . . .	[N: Hollow tubular elements provided with slits or openings]	
B65D5/50D4E	. . . . .	[N: Tubular lining and supporting elements]	
B65D5/50D4F	. . . . .	[N: Blocks] [N0502]	
B65D5/50D4F1	. . . . .	{7 dots} [N: formed by folding up one or more blanks to form a hollow block] [N0502]	
B65D5/50D4F1A	. . . . .	{8 dots} [N: and provided with slits or recesses in which at least a part of the contents are located (B65D5/50D4C takes precedence)] [N0502]	
B65D5/50D4F2	. . . . .	{7 dots} [N: formed by a plurality of layers contacting each other, e.g. multiple layers of corrugated cardboard] [N0502]	
B65D5/50D4F2A	. . . . .	{8 dots} [N: and provided with slits or recesses in which at least a part of the contents are located] [N0502]	
B65D5/50D4G	. . . . .	[N: Paper panels presenting one or more openings or recesses in which at least a part of the contents are located (B65D5/50D4B , B65D5/50D4F1A , B65D5/50D4F2A and B65D5/52M1 take precedence)] [N0502]	
B65D5/50D4G2	. . . . .	{7 dots} [N: the openings or recesses being located in different panels of a single blank (B65D5/50D4K takes precedence)] [N0502]	
B65D5/50D4H	. . . . .	[N: Inverted U- or V-shaped paper elements provided with slits or recesses in which at least a part of the contents are located (B65D5/50D4C and B65D5/50D4F1A takes precedence)] [N0502]	
B65D5/50D4K	. . . . .	[N: Paper elements formed by folding or assembling two or more panels to create a central aperture extending in at least two planes in which the contents are located] [N0502]	
B65D5/50D4L	. . . . .	[N: Capping elements, i.e. elements which are located onto one or more ends of the contents, before the contents are inserted into the package] [N0502]	
B65D5/50D4L3	. . . . .	{7 dots} [N: each capping element being formed by assembling two or more blanks] [N0502]	
B65D5/50D4M	. . . . .	[N: U-shaped elements supporting the articles locally at their sides] [N0502]	
B65D5/50D4N	. . . . .	[N: U-shaped elements supporting the articles along substantially their whole length, e.g. a cradle (B65D5/50D4Q takes precedence)] [N0502]	
B65D5/50D4P	. . . . .	[N: Pockets whereby the articles are inserted into the pockets, e.g. inverted U-shaped elements (B65D5/50D4Q takes precedence)] [N0502]	
B65D5/50D4Q	. . . . .	[N: Combination of U-shaped and inverted U-shaped elements] [N0502]	
B65D5/50D4Q4	. . . . .	{7 dots} [N: each item being partially located in a U-shaped element and partially located in an inverted U-shaped element, e.g. for bottles] [N0502]	
B65D5/50D4R	. . . . .	[N: the elements forming grooves, ribs, or the like, situated on opposed walls and between which the articles are located (for rigid containers B65D25/10F)] [N0502]	
B65D5/50D5	. . . . .	[N: Plastic elements (trays B65D5/50D1)]	
B65D5/50D5A	. . . . .	[N: Foam plastic elements]	

B65D5/50D6	. . . . .	[N: Wooden elements]
B65D5/50D6A	. . . . .	[N: Wooden elements in combination with paper elements]
B65D5/50D7	. . . . .	[N: Central hubs or shafts]
B65D5/52	. . . . .	External stands or display elements for contents [N: (adjustable or foldable display stands made of cardboard, paper or the like, without packaging function A47F5/11)]
B65D5/52B	. . . . .	[N: External stands for supporting the container in display position, e.g. easels, covers forming a support for the containers in the display position]
B65D5/52D	. . . . .	[N: Internal elements supporting the contents and movable for displaying them, e.g. movable bottoms or trays]
B65D5/52G	. . . . .	[N: Containers provided with decoration or information elements which are displaced to display the contents] [N0008]
B65D5/52G1	. . . . .	[N: formed integrally with the container or lid (B65D5/52K takes precedence)] [N0008]
B65D5/52G1A	. . . . .	[N: Display panels located within the upper surface of the container and being raised to simultaneously provide a dispensing opening] [N0008]
B65D5/52G1A2	. . . . .	{7 dots} [N: the panel in the raised position being folded about itself] [N0008]
B65D5/52G2	. . . . .	[N: formed separately from the container or lid] [N0008]
B65D5/52H	. . . . .	[N: Containers initially closed but folded about a central axis to display the contents in two or more cells] [N0008]
B65D5/52K	. . . . .	[N: Containers with means for displaying items at different heights] [N0008]
B65D5/52K1	. . . . .	[N: in tiered or stepped relationship (B65D5/52B takes precedence)] [N0008]
B65D5/52L	. . . . .	[N: Containers provided with an inclined surface on which the contents are located (B65D5/52D , B65D5/52K1 take precedence)] [N0008]
B65D5/52M	. . . . .	[N: Contents attached to or resting on the external surface of the container] [N0008]
B65D5/52M1	. . . . .	[N: the container being provided with an opening or weakened area in which an item is inserted] [N0008]
B65D5/52M2	. . . . .	[N: the container being provided with U- or V-shaped racks on which the items rest] [N0008]
B65D5/54	. . . . .	Lines of weakness to facilitate opening of container or dividing it into separate parts by cutting or tearing ([N: B65D5/06 , B65D5/52G1A , B65D5/52H take precedence]; break-in flaps, or members adapted to be torn-off, to provide pouring openings B65D5/70) [C0008]
B65D5/54B	. . . . .	[N: for opening containers formed by erecting a blank in tubular form]
B65D5/54B1	. . . . .	[N: the lines of weakness being provided in one or more closure flaps]
B65D5/54B2	. . . . .	[N: the lines of weakness being provided in one or more closure flaps and in the container body so as to form after rupture a lid hinged to a side edge of the container body]
B65D5/54B3	. . . . .	[N: the lines of weakness being provided in the container body]
B65D5/54B3B	. . . . .	[N: and defining after rupture a lid hinged to the upper edge of the container body]
B65D5/54B3B6	. . . . .	[N: the container being provided with an internal frame or the like for maintaining the lid in the closed position by friction] [N9611]
B65D5/54B3C	. . . . .	[N: and defining after rupture a lid hinged to the side edge of the container body]

- B65D5/54B3D [N: and defining after rupture a lid hinged about a line located in the top surface of the container] [N9611]
- B65D5/54C [N: for dividing a tubular body into separate parts]
- B65D5/54D [N: for opening containers formed by erecting a "cross-like" blank]
- B65D5/54D1 [N: the lines of weakness being provided in a closure hinged to an edge of the container body]
- B65D5/54D2 [N: the lines of weakness being provided in an extension panel or tab of a hinged closure]
- B65D5/54D6 [N: the container being provided with an internal frame or the like for maintaining the lid in the closed position by friction] [N9611]
- B65D5/54D7 [N: and defining after rupture a lid hinged about a line located in the top surface of the container] [N9611] [C9703]
- B65D5/54E [N: for dividing a "cross-like" container body into separate parts]
- B65D5/54F [N: for opening containers formed by erecting a blank to U-shape]
- B65D5/54F6 [N: the container being provided with an internal frame or the like for maintaining the lid in the closed position by friction] [N9611]
- B65D5/54F7 [N: and defining after rupture a lid hinged about a line located in the top surface of the container] [N9611] [C9703]
- B65D5/54G [N: for separating interconnected containers]
- B65D5/56 Linings or internal coatings, [N: e.g. pre-formed trays provided with a blow- or thermoformed layer] (to protect the articles from mechanical damage [B65D81/127](#)) [C0008]
- B65D5/56B [N: Laminated linings; Coatings]
- B65D5/56D [N: Linings made of relatively rigid sheet material, e.g. carton ([B65D5/02J](#) and [B65D5/58](#) takes precedence; combined with a flexible lining [B65D5/56](#), [B65D5/60](#); for thermal insulating purposes [B65D81/38G4](#); for shock absorbing purposes [B65D81/127A](#))] [C9911]
- B65D5/58 Linings spaced appreciably from container wall [N: (for thermal insulating purposes [B65D81/38G2](#))] [C9911]
- B65D5/60 Loose, [N: or loosely attached], linings [N: (made only of relatively rigid sheet material [B65D5/56D](#))]
- B65D5/60B [N: Flexible linings loosely glued to the wall of the container ([B65D5/02H](#) takes precedence)]
- B65D5/60B2 [N: Bags or bag-like tubes loosely glued to the wall of a "tubular" container]
- B65D5/62 External coverings or coatings [N: ([B65D5/42E2H](#), [B65D5/42E3H](#) take precedence)] [C0008]
- B65D5/64 Lids
- B65D5/64C [N: held in closed position by application of separate elements, e.g. clips, straps ([B65D5/66B3](#), [B65D5/66D3](#) take precedence)] [N9505]
- B65D5/64S [N: comprising a slidable panel or wall ([B65D5/72B2](#) takes precedence)] [N0506]
- B65D5/66 Hinged lids ([N: [B65D5/32B2A](#)] takes precedence) [C0307]
- B65D5/66B [N: formed by folding one or more extensions hinged to the upper edge of a tubular container body]
- B65D5/66B1 [N: the lid being formed by two mating halves joined to opposite edges of the container body]
- B65D5/66B2 [N: the lid being held in closed position by self-locking integral flaps]

B65D5/66B3	. . . . .	[N: the lid being held in closed position by application of separate elements, e.g. clips, hooks, elastics]
B65D5/66B4	. . . . .	[N: with means for retaining the lid in open position]
B65D5/66B5	. . . . .	[N: the container body sliding in an outer sleeve (B65D85/10G4A takes precedence)] [N9505]
B65D5/66B6	. . . . .	[N: the container being provided with an internal frame or the like for maintaining the lid in the closed position by friction] [N9611]
B65D5/66B7	. . . . .	[N: the lid being hinged about a line located in the top surface of the container] [N9611]
B65D5/66D	. . . . .	[N: formed by folding extensions of a side panel of a container body formed by erecting a "cross-like" blank]
B65D5/66D1	. . . . .	[N: the lid being formed by two mating halves joined to opposite edges of the container body]
B65D5/66D1B	. . . . .	[N: the lid-halves being held in closed position by flaps or tabs provided at their side edges only (B65D5/66D1E , B65D5/66D1G take precedence)] [N0004]
B65D5/66D1E	. . . . .	[N: the lid-halves being held in closed position by flaps or tabs provided at their edge opposite to their hinge (B65D5/66D1E , B65D5/66D1G take precedence)] [N0004]
B65D5/66D1E1	. . . . .	{7 dots} [N: combined with flaps or tabs provided at the side edges of the lid-halves] [N0004]
B65D5/66D1E1A	. . . . .	{8 dots} [N: and connected to one another in order to form an uninterrupted flange] [N0004]
B65D5/66D1F	. . . . .	[N: the lid-halves being held in closed position by local tabs or projections at the upper edge of opposite walls of the container body, e.g. by entering within slots provided in the lid-halves] [N0004]
B65D5/66D1G	. . . . .	[N: the lid-halves being held in closed position by application of separate elements, e.g. clips, hooks, cords] [N0004]
B65D5/66D2	. . . . .	[N: the lid being held in closed position by self-locking integral flaps or tabs]
B65D5/66D2B	. . . . .	[N: Flaps or tabs provided at the side edges of the lid only] [N0001]
B65D5/66D2C	. . . . .	[N: Local flaps or tabs provided at the lid edge opposite to the hinge] [N0001]
B65D5/66D2C1	. . . . .	{7 dots} [N: combined with flaps or tabs provided at the side edges of the lid] [N0001]
B65D5/66D2E	. . . . .	[N: Flaps provided over the total length of the lid edge opposite to the hinge] [N0001]
B65D5/66D2E1	. . . . .	{7 dots} [N: combined with flaps or tabs provided at the side edges of the lid] [N0001]
B65D5/66D2E1A	. . . . .	{8 dots} [N: and connected to one another in order to form an uninterrupted telescoping flange (B65D5/66D2F takes precedence)] [N0001]
B65D5/66D2F	. . . . .	[N: Lids in the form of an inverted tray] [N0001]
B65D5/66D3	. . . . .	[N: the lid being held in closed position by application of separate elements, e.g. clips, hooks, cords (B65D5/66D1G takes precedence)] [C0004]
B65D5/66D4	. . . . .	[N: with means for retaining the lid in open position]
B65D5/66D6	. . . . .	[N: the container being provided with an internal frame or the like for maintaining the lid in the closed position by friction] [N9611]
B65D5/66D7	. . . . .	[N: the lid being hinged about a line located in the top surface of the

		container] [N9611]
B65D5/66E	. . . .	[N: formed by extensions hinged to the upper edge of a container body formed by erecting a blank to U-shape]
B65D5/66E1	. . . . .	[N: the container body sliding in an outer sleeve (B65D85/10G4A takes precedence)] [C9505]
B65D5/66E6	. . . . .	[N: the container being provided with an internal frame or the like for maintaining the lid in the closed position by friction] [N9611]
B65D5/66E7	. . . . .	[N: the lid being hinged about a line located in the top surface of the container] [N9611]
B65D5/66F	. . . . .	[N: Separate lids attached to the container body by a hinge element]
B65D5/68	. . . .	Telescope flanged lids
B65D5/68B	. . . . .	[N: having an inwardly or upwardly extending tab on the lid side wall cooperating with a tab on, or an opening in, the container side wall] [N9509]
B65D5/70	. . . .	Break-in flaps, or members adapted to be torn-off, to provide pouring openings (B65D5/74 takes precedence)
B65D5/70B	. . . . .	[N: Tearable flaps defined by score-lines or incisions provided in the closure flaps of a tubular container made of a single blank]
B65D5/70B1	. . . . .	[N: the score-lines or incisions extending in the body of the tubular container]
B65D5/70C	. . . . .	[N: Tearable flaps defined by score-lines or incisions provided in the body of a tubular container made of a single blank]
B65D5/70D	. . . . .	[N: Tearable flaps defined by score-lines or incisions provided in a separate end closure of a tubular container]
B65D5/70E	. . . . .	[N: Separate tearable flexible elements covering a discharge opening of a container, e.g. adhesive tape]
B65D5/72	. . . .	Contents-dispensing means
B65D5/72B	. . . . .	[N: consisting of mobile elements forming part of the containers or attached to the containers]
B65D5/72B1	. . . . .	[N: having an alternating movement co-operating with incised or scored openings near the bottom-edges of the bodies of tubular containers]
B65D5/72B2	. . . . .	[N: Sliding elements for covering and uncovering discharge openings of containers, e.g. slide-closures]
B65D5/72C	. . . . .	[N: Internal fittings facilitating the discharge of contents, e.g. guiding panels, movable bottoms or lifting strips]
B65D5/72D	. . . . .	[N: Incised or pre-scored openings or windows provided in the side wall of containers]
B65D5/72E	. . . . .	[N: Means for discharging contents through the bottom of containers]
B65D5/72F	. . . . .	[N: Dispensing openings provided in the upper end-walls of tubular containers, the openings being closed by means of separate stopper or other closure elements]
B65D5/72G	. . . . .	[N: for drawer-and-shell-type containers]
B65D5/74	. . . . .	Spouts
B65D5/74B	. . . . .	[N: for containers having a tubular body (B65D5/74D takes precedence)]
B65D5/74B1	. . . . .	[N: Spouts formed by deforming or tearing the closure flaps or severed or incised parts of the closure flaps (B65D5/06 takes precedence)]
B65D5/74B2	. . . . .	[N: Spouts formed by deforming or tearing scored or incised parts of the side-wall of containers]
B65D5/74B2A	. . . . .	[N: combined with swivelling devices having a bottom-wall and two side-walls] [C0111]

- B65D5/74B3 [N: Spouts formed by deforming or tearing parts of the upper wall, combined with a deformation of a part of the body of the container]
- B65D5/74D [N: Spouts formed separately from the container]
- B65D5/74D1 [N: with means for piercing or cutting the container wall or a membrane connected to said wall] [N0110]
- B65D5/74D1A [N: a major part of the container wall or membrane being left inside the container after the opening] [N0805]
- B65D5/74D1C [N: a major part of the container wall or membrane being removed from the container after the opening] [N0805]
- B65D5/76 for discharging metered quantities

- B65D7/00** [N: IPC2] **Containers having bodies formed by interconnecting or uniting two or more rigid, or substantially rigid, components made wholly or mainly of metal** (specially constructed to be opened by cutting, piercing, or tearing of wall portions [B65D17/00](#); pallets [B65D19/00](#); tanks for domestic water storage heaters [F24H1/18B](#))

- B65D7/02 . . . [N: IPC2] characterised by shape
- B65D7/04 . . . [N: IPC2] of curved cross-section, e.g. cans of circular or elliptical cross-section [N: (thermally insulated [B65D81/38B](#), [B65D81/38F](#))] [C9911]
- B65D7/04B . . . [N: Casks, barrels, or drums in their entirety, e.g. beer barrels, i.e. presenting most of the following features like rolling beads, double walls, reinforcing and supporting beads for end walls (thermally insulated barrels, [B65D81/38A](#))] [C9911]
- B65D7/06 . . . [N: IPC2] of polygonal cross-section, e.g. tins, boxes
- B65D7/06B . . . [N: with partitions or compartments]
- B65D7/08 . . . [N: IPC2] Trays or like containers without lids
- B65D7/10 . . . [N: IPC2] of drawer-and-shell type

- B65D7/12 . . . [N: IPC2] characterised by wall construction or by connections between walls
- B65D7/14 . . . [N: IPC2] of skeleton or like apertured construction, e.g. baskets or carriers formed of wire mesh, of interconnected bands, bars, or rods, or of perforated sheet metal
- B65D7/16 . . . [N: IPC2] made of apertured or perforated sheet metal components
- B65D7/18 . . . [N: IPC2] made up of interconnected spaced bands
- B65D7/20 . . . [N: IPC2] made of wire
- B65D7/22 . . . [N: IPC2] with double walls, e.g. double end walls [N: (for thermal insulating purposes [B65D81/38A2](#), [B65D81/38B2](#), [B65D81/38C2](#))] [C9911]
- B65D7/24 . . . [N: IPC2] collapsible, e.g. with all parts detachable
- B65D7/26 . . . [N: IPC2] with all parts hinged together
- B65D7/28 . . . [N: IPC2] with some parts detachable and other parts hinged together
- B65D7/30 . . . [N: IPC2] Fastening devices for holding collapsible containers in erected state, e.g. integral with container walls
- B65D7/32 . . . [N: IPC2] separate from container walls
- B65D7/34 . . . [N: IPC2] with permanent connections between walls (permanent connections between walls for closing containers after filling [B65D17/06](#))
- B65D7/36 . . . [N: IPC2] formed by rolling, or by rolling and pressing
- B65D7/38 . . . [N: IPC2] formed by soldering, welding, or otherwise uniting opposed surfaces
- B65D7/40 . . . [N: IPC2] with walls formed with filling or emptying apertures

- B65D7/42 . [N: IPC2] Details of metal walls ([N: casks, barrels or drums in their entirety [B65D7/04B](#)]; other container details [B65D23/00](#), [B65D25/00](#))
- B65D7/44 . . [N: IPC2] Reinforcing or strengthening parts or members
- B65D7/46 . . . [N: IPC2] Corrugations
- B65D7/48 . . [N: IPC2] Local reinforcements, e.g. adjacent closures

- B65D9/00** **[N: IPC2] Containers having bodies formed by interconnecting or uniting two or more rigid, or substantially rigid, components made wholly or mainly of wood or substitutes therefor**

- B65D9/02 . [N: IPC2] Containers of curved cross-section, e.g. cylindrical boxes [N: (thermally insulated [B65D81/38B](#), [B65D81/38F](#))] [C9911]
- B65D9/04 . . [N: IPC2] made up of staves, e.g. barrels for liquids [N: (thermally insulated barrels, [B65D81/38A](#))] [C9911]

- B65D9/06 . [N: IPC2] Boxes or crates of polygonal cross-section
- B65D9/08 . . [N: IPC2] of drawer-and-shell type

- B65D9/10 . [N: IPC2] Baskets or like containers made in interwoven or intermeshing flexible wooden material or by attaching thin wooden strips to a supporting framework

- B65D9/12 . [N: IPC2] collapsible, e.g. with all parts detachable
- B65D9/14 . . [N: IPC2] with all parts hinged together
- B65D9/16 . . . [N: IPC2] wire-bound boxes
- B65D9/18 . . [IPC2] with some parts detachable and other parts hinged together
- B65D9/20 . . . [IPC2] wire-bound boxes
- B65D9/22 . . [N: IPC2] Fastening devices for holding collapsible containers in erected state, e.g. integral with container walls
- B65D9/24 . . . [N: IPC2] separate from container walls

- B65D9/26 . [N: IPC2] with double end walls, e.g. double bottoms [N: (for thermal insulating purposes [B65D81/38A2](#), [B65D81/38B2](#), [B65D81/38C2](#))] [C9911]
- B65D9/28 . . [N: IPC2] with bottoms movable under influence of contents

- B65D9/30 . [N: IPC2] Applications of laminates as wall material, e.g. plywood

- B65D9/32 . [N: IPC2] Details of wooden walls; Connections between walls (other container details [B65D23/00](#), [B65D25/00](#); connections between walls and non-removable lids or covers [B65D43/14](#))
- B65D9/34 . . [N: IPC2] Joints; Local reinforcements
- B65D9/36 . . . [N: IPC2] Battens
- B65D9/38 . . . [N: IPC2] Metal bands or strips

- B65D11/00** **[N: IPC2] Containers having bodies formed by interconnecting or uniting two or more rigid, or substantially rigid, components made wholly or mainly of plastics material (specially constructed to be opened by cutting, piercing, or tearing of wall portions [B65D17/00](#); pallets [B65D19/00](#))**

- B65D11/02 . [N: IPC2] of curved cross-section [N: (thermally insulated [B65D81/38B](#))] [C9911]

- B65D11/04 . . [N: IPC2] Bottles or similar containers with necks or like restricted apertures designed for pouring contents [N: (thermally insulated [B65D81/38F](#))] [C9911]
- B65D11/06 . . [N: IPC2] Drums or barrels [N: (thermally insulated [B65D81/38A](#))] [C9911]
- B65D11/08 . . . [N: IPC2] Arrangements of filling or discharging apertures
- B65D11/10 . [N: IPC2] of polygonal cross-section [N: and all parts being permanently connected to each other ([B65D11/18](#) takes precedence)] [C9507]
- B65D11/10A . . [N: the container being formed by two mating U-shaped halves connected to each other after a rotation of 90 degrees] [N9507]
- B65D11/12 . . [N: IPC2] of drawer-and-shell type
- B65D11/14 . [N: IPC2] of skeleton or apertured construction, e.g. baskets or carriers made up of interconnected spaced bands, rods, or strips
- B65D11/16 . [N: IPC2] with double walls
- B65D11/18 . [N: IPC2] collapsible, i.e. with walls hinged together or detachably connected
- B65D11/18B . . [N: comprising two side walls hinged to a base panel and two other side walls being extensions hinged to said side walls] [N9507]
- B65D11/18B2 . . . [N: and one or more side walls being foldable along a median line] [N9507]
- B65D11/18C . . [N: comprising two side walls hinged along the sides of a base panel and to an upper frame and two other side walls being hinged only to the upper frame] [N9507]
- B65D11/18C2 . . . [N: and one or more side walls being foldable along a median line] [N9507]
- B65D11/18D . . [N: whereby all side walls are hingedly connected to the base panel ([B65D11/18F](#) takes precedence)] [N9507] [C9710]
- B65D11/18D2 . . . [N: and one or more side walls being foldable along a median line] [N9507]
- B65D11/18E . . [N: whereby all side walls are hingedly connected to each other ([B65D11/18F](#) takes precedence)] [N9507] [C9710]
- B65D11/18E2 . . . [N: and one or more side walls being foldable along a median line] [N9507]
- B65D11/18F . . [N: whereby all side walls are hingedly connected to the base panel and to each other to allow automatic collapsing and reerecting, e.g. by means of folds provided in the side walls and or in the base panel] [N9710]
- B65D11/18H . . [N: with detachable components ([B65D11/18L](#) takes precedence)] [N9507]
- B65D11/18H3 . . . [N: all walls are detached from each other to collapse the container] [N9507]
- B65D11/18H4 . . . [N: the container being formed by two mating halves] [N9507]
- B65D11/18H4B [N: the two mating halves being U-shaped and connected to each other after a rotation of 90 degrees] [N9507]
- B65D11/18L . . [N: with semidetachable components, i.e. with some side walls hinged to each other or to a base panel and the other side walls being detachable to allow collapsing of the container] [N9507]
- B65D11/20 . [N: IPC2] Details of walls made of plastics material
- B65D11/22 . . [N: IPC2] Reinforcing for strengthening parts of members
- B65D11/24 . . . [N: IPC2] Corrugations
- B65D11/26 . . . [N: IPC2] Local reinforcements, e.g. adjacent to closures
- B65D11/28 . . . [N: IPC2] Metal reinforcements, e.g. metal frames
- B65D13/00** **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 (pallets [B65D19/00](#))

- [B65D13/02](#) . of glass, pottery, or other ceramic material
- [B65D13/04](#) . of paper (by winding, bending, or folding paper [B65D3/00](#), [B65D5/00](#))
- [B65D15/00](#)** **[N: IPC2] Containers having bodies formed by interconnecting or uniting two or more rigid, or substantially rigid, sections made of different materials (specially constructed to be opened by cutting, piercing, or tearing, of wall portions [B65D17/00](#); pallets [B65D19/00](#))**
- [B65D15/02](#) . **[N: IPC2]** of curved, or partially curved, cross-section, e.g. cans, drums
- [B65D15/04](#) . . **[N: IPC2]** with curved, or partially curved, walls made by winding or bending paper
- [B65D15/06](#) . . . **[N: IPC2]** with end walls made of metal
- [B65D15/08](#) . . . **[N: IPC2]** with end walls made of plastics material
- [B65D15/10](#) . . **[N: IPC2]** with curved, or partially curved, walls made of metal
- [B65D15/12](#) . . . **[N: IPC2]** with end walls made of paper
- [B65D15/14](#) . . . **[N: IPC2]** with end walls made of plastics material
- [B65D15/16](#) . . **[N: IPC2]** with curved, or partially curved, walls made of plastics material
- [B65D15/18](#) . . . **[N: IPC2]** with end walls made of metal
- [B65D15/20](#) . . . **[N: IPC2]** with end walls made of paper
- [B65D15/22](#) . **[N: IPC2]** of polygonal cross-section
- [B65D15/24](#) . **[N: IPC2]** Connections between walls
- [B65D17/00](#)** **Containers specially constructed to be opened by cutting or piercing, or by tearing of frangible member or portion (opening devices for containers made by winding, bending, or folding paper [B65D3/00](#), [B65D5/00](#); frangible inner closure members associated with caps, lids, or covers [B65D51/20](#); opening devices added or incorporated during filling or closing of containers [B65D77/30](#); separate devices for opening closed containers [B67B7/00](#))**
- [B65D17/02](#) . **[N: IPC2]** of curved cross-section, e.g. cans of circular or elliptical cross-section
- [B65D17/04](#) . **[N: IPC2]** of polygonal cross-section
- [B65D17/06](#) . **[N: IPC2]** Integral, or permanently secured, end or side closures
- [B65D17/08](#) . . **[N: IPC2]** Closures secured by folding or rolling and pressing
- [B65D17/10](#) . . . **[N: IPC2]** with interposed packing rings
- [B65D17/12](#) . . **[N: IPC2]** Closures secured by soldering, welding, or otherwise uniting opposed surfaces
- [B65D17/14](#) . . . **[N: IPC2]** by cold or hot pressing of plastic sealing material
- [B65D17/16](#) . **[N: IPC2]** Opening arrangements or devices incorporated in or attached to, containers **[N: ([B65D17/50](#) takes precedence)] **[N9702]****
- [B65D17/16B](#) . . **[N: for tearing along a line or from a point of weakness provided in an end wall]**

- B65D17/16B1 . . . [N: for opening completely by means of a tearing tab]
- B65D17/16B2 . . . [N: for opening partially by means of a tearing tab]
- B65D17/16B2B [N: and provided with attached means for reclosing or resealing]
- B65D17/16C . . [N: for tearing along a line or from a point of weakness provided in the side wall
([B65D17/20](#) takes precedence)]
- B65D17/18 . . [N: IPC2] Attached can-cutting devices
- B65D17/20 . . [N: IPC2] Tearing-strips or -wires
- B65D17/22 . . . [N: IPC2] with tongues or tags for engagement by slotted keys
- B65D17/24 . . [N: IPC2] Lines of weakness
- B65D17/26 . . [N: IPC2] Attachments of slotted keys to preserving cans or tins

- B65D17/50 . Non-integral frangible members applied to, or inserted in, a preformed opening, e.g. tearable strips, plastic plugs [N9702]
- B65D17/50A . . [N: Flexible tape or foil-like material] [N9702]
- B65D17/50A1 . . . [N: applied to the external part of the container wall only ([B65D17/50A3](#) takes precedence)] [N9702]
- B65D17/50A2 . . . [N: applied to the internal part of the container wall only ([B65D17/50A3](#) takes precedence)] [N9702]
- B65D17/50A3 . . . [N: applied to the external and internal part of the container wall] [N9702]
- B65D17/50B . . [N: Rigid or semi-rigid members, e.g. plugs] [N9702]
- B65D17/50B2 . . . [N: moulded in situ, e.g. during production of container] [N9702]
- B65D17/50B2A [N: and combined with a rigid or semi-rigid, e.g. metallic sheet and a moulded plastic body] [N9702]

- B65D19/00** **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 [B66F9/12](#))**

- B65D19/00A . [N: Platforms, i.e. load supporting devices without provision for handling by a forklift] [N9702]

[N: **WARNING**
Group [B65D19/00A](#) and subgroups are not yet complete. See also [B65D19/22](#) and subgroups
]

- B65D19/00C . [N: Rigid pallets without side walls] [N9702] [C1206]

[N: **WARNING**
Group [B65D19/00C](#) and subgroups are not yet complete. See also [B65D19/22](#) and subgroups [N9702]
]

- B65D19/00C1 . . [N: the load supporting surface being made of a single element] [N9702]
- B65D19/00C1B . . . [N: forming a continuous plane contact surface] [N9702]
- B65D19/00C1B2 [N: the base surface being made of a single element] [N9702]
- B65D19/00C1B2A [N: forming a continuous plane contact surface] [N9702]
- B65D19/00C1B2C [N: forming discontinuous or non-planar contact surfaces] [N9702]
- B65D19/00C1B2C1 [N: and each contact surface having a stringer-like shape] [N9702]

B65D19/00C1B2C3	. . . . .	[N: and each contact surface having a discrete foot-like shape] [N9702]
B65D19/00C1B4	. . . . .	[N: the base surface being made of more than one element] [N9702]
B65D19/00C1B4A	. . . . .	[N: forming a continuous plane contact surface] [N9702]
B65D19/00C1B4C	. . . . .	[N: forming discontinuous or non-planar contact surfaces] [N9702]
B65D19/00C1B4C1	. . . . .	[N: and each contact surface having a stringer-like shape] [N9702]
B65D19/00C1B4C3	. . . . .	[N: and each contact surface having a discrete foot-like shape] [N9702]
B65D19/00C1D	. . . . .	[N: forming discontinuous or non-planar contact surfaces] [N9702]
B65D19/00C1D2	. . . . .	[N: the base surface being made of a single element] [N9702]
B65D19/00C1D2A	. . . . .	[N: forming a continuous plane contact surface] [N9702]
B65D19/00C1D2C	. . . . .	[N: forming discontinuous or non-planar contact surfaces] [N9702]
B65D19/00C1D2C1	. . . . .	[N: and each contact surface having a stringer-like shape] [N9702]
B65D19/00C1D2C3	. . . . .	[N: and each contact surface having a discrete foot-like shape] [N9702]
B65D19/00C1D4	. . . . .	[N: the base surface being made of more than one element] [N9702]
B65D19/00C1D4A	. . . . .	[N: forming a continuous plane contact surface] [N9702]
B65D19/00C1D4C	. . . . .	[N: forming discontinuous or non-planar contact surfaces] [N9702]
B65D19/00C1D4C1	. . . . .	[N: and each contact surface having a stringer-like shape] [N9702]
B65D19/00C1D4C3	. . . . .	[N: and each contact surface having a discrete foot-like shape] [N9702]
B65D19/00C3	. . . . .	[N: the load supporting surface being made of more than one element] [N9702]
B65D19/00C3B	. . . . .	[N: forming a continuous plane contact surface] [N9702]
B65D19/00C3B2	. . . . .	[N: the base surface being made of a single element] [N9702]
B65D19/00C3B2A	. . . . .	[N: forming a continuous plane contact surface] [N9702]
B65D19/00C3B2C	. . . . .	[N: forming discontinuous or non-planar contact surfaces] [N9702]
B65D19/00C3B2C1	. . . . .	[N: and each contact surface having a stringer-like shape] [N9702]
B65D19/00C3B2C3	. . . . .	[N: and each contact surface having a discrete foot-like shape] [N9702]
B65D19/00C3B4	. . . . .	[N: the base surface being made of more than one element] [N9702]
B65D19/00C3B4A	. . . . .	[N: forming a continuous plane contact surface] [N9702]
B65D19/00C3B4C	. . . . .	[N: forming discontinuous or non-planar contact surfaces] [N9702]
B65D19/00C3B4C1	. . . . .	[N: and each contact surface having a stringer-like shape] [N9702]
B65D19/00C3B4C3	. . . . .	[N: and each contact surface having a discrete foot-like shape] [N9702]
B65D19/00C3D	. . . . .	[N: forming discontinuous or non-planar contact surfaces] [N9702]
B65D19/00C3D2	. . . . .	[N: the base surface being made of a single element] [N9702]
B65D19/00C3D2A	. . . . .	[N: forming a continuous plane contact surface] [N9702]
B65D19/00C3D2C	. . . . .	[N: forming discontinuous or non-planar contact surfaces] [N9702]
B65D19/00C3D2C1	. . . . .	[N: each contact surface having a stringer-like shape] [N9702]
B65D19/00C3D2C3	. . . . .	[N: each contact surface having a discrete foot-like shape] [N9702]
B65D19/00C3D4	. . . . .	[N: the base surface being made of more than one element] [N9702]
B65D19/00C3D4A	. . . . .	[N: forming a continuous plane contact surface] [N9702]
B65D19/00C3D4C	. . . . .	[N: forming discontinuous or non-planar contact surfaces] [N9702]

- B65D19/00C3D4C1 [N: and each contact surface having a stringer-like shape] [N9702]
- B65D19/00C3D4C3 [N: and each contact surface having a discrete foot-like shape] [N9702]
- B65D19/02 . Rigid pallets with side walls, e.g. box pallets
- B65D19/04 . . with bodies moulded or otherwise fabricated in one piece
- B65D19/06 . . with bodies formed by uniting or interconnecting two or more components
- B65D19/08 . . . made wholly or mainly of metal
- B65D19/10 of skeleton construction, e.g. made of wire
- B65D19/12 Collapsible pallets
- B65D19/14 . . . made wholly or mainly of wood
- B65D19/16 Collapsible pallets
- B65D19/18 . . . made wholly or mainly of plastics material
- B65D19/20 . . . made wholly or mainly of paper
- B65D19/36 . Pallets comprising a flexible load carrier extending between guide elements, e.g. guide tubes
- B65D19/38 . Details or accessories
- B65D19/38B . . [N: Frames, corner posts or pallet converters, e.g. for facilitating stacking of charged pallets]
- B65D19/40 . . Elements for spacing platforms from supporting surface
- B65D19/42 . . . Arrangements or applications of rollers or wheels
- B65D19/44 . . Elements or devices for locating articles on platforms
- B65D21/00 Nestable, stackable, or joinable containers; Containers of variable capacity (large containers [B65D88/00](#); [N: containers for display purposes [A47B87/02C](#)] [C9410])**
- B65D21/02 . Containers specially shaped, or provided with fittings or attachments, to facilitate nesting, stacking, or joining together [N: (stackable containers of polygonal cross-section formed by folding or erecting blanks made of paper [B65D5/00B](#))]
- B65D21/02B . . [N: stackable or joined together side-by-side] [C9806]
- B65D21/02B1 . . . [N: and loosely interengaged by integral complementary shapes]
- B65D21/02B2 . . . [N: and joined together by interconnecting formations forming part of the container, e.g. dove-tail, snap connections, hook elements]
- B65D21/02B3 . . . [N: joined together by bonding, adhesive or the like ([B65D21/02B4A](#) takes precedence)] [N9806]
- B65D21/02B4 . . . [N: Separate rigid or semi-rigid trays or cups joined together, e.g. separate trays connected by single foil closure or crimped together (plurality of trays formed in one piece [B65D1/30](#))] [N9806]
- B65D21/02B4A [N: by bonding, adhesive, hook and loop-type fastener or the like] [N9806]
- B65D21/02E . . [N: stackable or joined together one-upon-the-other in the upright or upside-down position ([B65D21/02G](#), [B65D21/02H](#) take precedence)] [C9806]
- B65D21/02E2 . . . [N: Wire-mesh containers]
- B65D21/02E3 . . . [N: Containers presenting local stacking elements protruding from the upper or lower edge of a side wall, e.g. handles, lugs, ribs, grooves ([B65D21/02E2](#), [B65D21/02E5](#), [B65D21/02E12](#) take precedence)] [C9806]

- B65D21/02E4 . . . [N: Containers presenting a continuous stacking profile along the upper or lower edge of at least two opposite side walls]
- B65D21/02E5 . . . [N: Containers with stacking feet or corner elements ([B65D21/02E2](#), [B65D21/02E12](#) take precedence)] [C9806]
- B65D21/02E6 . . . [N: Containers with stacking ribs in the side walls]
- B65D21/02E7 . . . [N: Containers with a closure presenting stacking elements ([B65D21/06C](#) takes precedence)]
- B65D21/02E7A [N: the closure presenting projecting peripheral elements receiving or surrounding the bottom or peripheral elements projecting from the bottom of a superimposed container ([B65D21/02E7C](#) and [B65D21/02E7D](#) take precedence)]
- B65D21/02E7B [N: the bottom presenting projecting peripheral elements receiving or surrounding the closure or peripheral elements projecting therefrom ([B65D21/02E7C](#) and [B65D21/02E7D](#) take precedence)]
- B65D21/02E7C [N: the closure and the bottom presenting co-operating peripheral ribs and grooves]
- B65D21/02E7D [N: the closure and the bottom presenting local co-operating elements, e.g. projections and recesses ([B65D21/02E7C](#) takes precedence)]
- B65D21/02E8 . . . [N: Auxiliary removable stacking elements other than covers]
- B65D21/02E9 . . . [N: Containers with movable parts adapted to be placed in alternative positions for stacking the containers at different levels, i.e. without nesting of the containers (with means for nesting [B65D21/06](#))]
- B65D21/02E10 . . . [N: Containers joined together by bonding, adhesive or the like] [N9806]
- B65D21/02E11 . . . [N: Containers joined together by screw-, bayonet-, snap-fit or the like, ([B65D21/02E2](#), [B65D21/02E12B](#) take precedence)] [N9806]
- B65D21/02E12 . . . [N: Closed containers provided with local cooperating elements in the top and bottom surfaces, e.g. projection and recess ([B65D21/02E7D](#) takes precedence)] [N9806]
- B65D21/02E12B [N: Bottles, canisters or jars whereby the neck or handle project into a cooperating cavity in the bottom ([B65D81/36B](#) takes precedence)] [N9806]
- B65D21/02F . . . [N: Nestable containers]
- B65D21/02G . . . [N: Nestable or stackable container parts forming a receptacle when one part is inverted upon the other]
- B65D21/02H . . . [N: Containers stackable in a staggered configuration]
- B65D21/02K . . . [N: Rigid or semi-rigid containers provided with a recess on their external surface for accommodating a smaller container] [N9806]
- B65D21/02L . . . [N: Rigid or semi-rigid containers provided with a recess in order to be seated on the neck or similar protrusion of a larger container] [N9806]
- B65D21/04 . . . Open-ended containers shaped to be nested when empty and to be superposed when full
- B65D21/04B . . . [N: Identical multi-level containers, i.e. having at least three levels]
- B65D21/04D . . . [N: Identical stackable containers specially adapted for nesting after rotation around a vertical axis ([B65D21/04B](#) takes precedence)]
- B65D21/04D2 [N: about 180° only]
- B65D21/04D4 [N: about 90° (staggered configuration [B65D21/02H](#))]
- B65D21/04F . . . [N: Identical stackable containers specially adapted for retaining the same orientation when nested, e.g. the upper container being fixed or slightly rotatable during the nesting operation ([B65D21/04B](#) takes precedence)]
- B65D21/06 . . . with movable parts adapted to be placed in alternative positions for nesting the

- containers when empty and for stacking them when full [N: (without means for nesting [B65D21/02E9](#))]
- [B65D21/06B](#) . . . [N: the movable parts being attached or integral and displaceable into a position overlying the top of the container, e.g. bails, corner plates ([covers B65D21/06C](#))]
- [B65D21/06C](#) . . . [N: the movable parts being an attached or integral cover made of one or two pieces]
- [B65D21/06D](#) . . . [N: the movable parts being supports or feet, e.g. retractable feet, pivotable supports]
- [B65D21/06F](#) . . . [N: the movable parts consisting of walls or parts thereof, i.e. deformable containers]
- [B65D21/08](#) . Containers of variable capacity (containers of polygonal cross-section adapted to be of variable capacity formed by folding or erecting blanks made of paper [N: [B65D5/00A](#)])
- [B65D21/08B](#) . . [N: by means of additional elements, e.g. modular] [N9703]
- [B65D21/08C](#) . . [N: Collapsible or telescopic containers ([B65D1/02D3](#) and [B65D21/06F](#) take precedence)] [N9703]

Guide heading: **Details of rigid or semi-rigid containers not otherwise provided for (for pallets [B65D19/38](#); of large containers [B65D90/00](#))**

[B65D23/00](#) **Details of bottles or jars not otherwise provided for (closure-securing elements [B65D45/00](#))**

- [B65D23/00B](#) . [N: Supporting means fixed to the container]
- [B65D23/00D](#) . [N: Suspension means]
- [B65D23/00D2](#) . . [N: in the form of a label hanger] [N9812]
- [B65D23/00F](#) . [N: Means for indicating refilling of the container] [N9611]
- [B65D23/00F2](#) . . [N: by means of a label, e.g. tearable, light sensitive] [N9611]
- [B65D23/02](#) . Linings or internal coatings
- [B65D23/04](#) . Means for mixing or for promoting flow of contents (hydro-dynamic means for influencing the flow of liquids [F15D](#))
- [B65D23/06](#) . Integral drip catchers or drip-preventing means
- [B65D23/06B](#) . . [N: Loose or loosely-attached drip catchers or drip preventing means]
- [B65D23/08](#) . Coverings or external coatings ([wrappers B65D65/00](#))
- [B65D23/08B](#) . . [N: Coatings]
- [B65D23/08B1](#) . . . [N: characterised by the composition of the material]
- [B65D23/08B1A](#) [N: consisting mainly of polymeric materials ([B65D23/08B1B](#) takes precedence)]
- [B65D23/08B1B](#) [N: consisting mainly of paints or lacquers]
- [B65D23/08B1C](#) [N: consisting mainly of metallic compounds]
- [B65D23/08D](#) . . [N: Sheets or tubes applied around the bottle with or without subsequent folding operations]

- B65D23/08D1 . . . [N: and glued or otherwise sealed to the bottle ([B65D23/08D2](#), [B65N23/08D3](#), [B65D23/08D4](#) take precedence)]
- B65D23/08D2 . . . [N: and locked to the bottle by mechanical means, e.g. tabs snapping into recesses of the bottle ([B65D23/08D4](#), [B65D23/08D5](#) take precedence)]
- B65D23/08D3 . . . [N: Applied in mould]
- B65D23/08D4 . . . [N: Stretched over the bottle ([B65D23/08H](#) takes precedence)]
- B65D23/08D5 . . . [N: Shrunk on the bottle]
- B65D23/08F . . [N: Rigid shells for receiving the bottle or part of it ([B65D23/08D](#), [B65D81/38K](#), [B65D85/30B](#) take precedence)] [C9911]
- B65D23/08H . . [N: Net-like covers]

- B65D23/10 . Handles
- B65D23/10B . . [N: Gripping means formed in the walls, e.g. roughening, cavities, projections]
- B65D23/10D . . [N: Handles formed separately]
- B65D23/10D2 . . . [N: the gripping region of the handle extending between the neck and the base of the bottle or jar and being located in a radial plane comprising the axis of the bottle or jar] [N9611] [C9701]
- B65D23/10D4 . . . [N: Bail handles, i.e. pivoted handles of generally semi-circular or loop shape] [N9702]

- B65D23/12 . Means for the attachment of smaller articles
- B65D23/14 . . of tags, [N: labels, cards, coupons, decorations or the like ([B65D23/00F2](#) takes precedence)] [C9703]
- B65D23/16 . . of thermometers ([feeding bottles with thermometers A61J9/02](#))

- B65D25/00** **Details of other kinds or types of rigid or semi-rigid containers**

- B65D25/00B . [N: Side walls formed with an aperture or a movable portion arranged to allow removal or insertion of contents ([B65D5/16](#), [B65D7/40](#) take precedence)] [N9410]
- B65D25/02 . Internal fittings ([of containers made by folding or erecting blanks made of paper B65D5/44](#))
- B65D25/04 . . Partitions
- B65D25/06 . . . adapted to be fitted in two or more alternative positions
- B65D25/08 . . . with provisions for removing or destroying, e.g. to facilitate mixing of contents
- B65D25/08B [N: the partition being in the form of a plug or the like which is removed by increasing or decreasing the pressure within the container ([B65D81/32B1](#) takes precedence)] [N9505]
- B65D25/08C [N: the partition being in the form of a plug or the like which is dislodged by means of a plunger rod or the like pushing the plug down ([B65D81/32B1](#) takes precedence)] [N9505]
- B65D25/08D [N: the partition being in the form of a plug or the like which can be raised off its seat by means of a pull cord or the like, e.g. the plug being connected to the cap ([B65D81/32B1](#) takes precedence)] [N9505]
- B65D25/10 . . Devices to locate articles in containers [N: ([for protecting articles from mechanical damage B65D81/02](#))]
- B65D25/10A . . . [N: Springs, elastic lips, or other resilient elements to locate the articles by pressure ([B65D25/10B](#), [B65D25/10C](#) take precedence)]
- B65D25/10B . . . [N: Straps, bands, strings or other elongate elements]

- B65D25/10C . . . [N: V-shaped elements, e.g. racks, protuberances projecting from a supporting surface, supporting the articles locally at its sides ([B65D25/10F](#) takes precedence)]
- B65D25/10C1 [N: and retaining it by snap-action, e.g. clips]
- B65D25/10E [N: Elements projecting into a recess or through a hole in the articles]
- B65D25/10F [N: Grooves, ribs, or the like, situated on opposed walls and between which the articles are located]
- B65D25/10H [N: Devices, e.g. plates, presenting apertures through which the articles project]
- B65D25/14 . Linings or internal coatings (of containers made by folding or erecting blanks made of paper [B65D5/56](#); [N: linings for domestic water storage heaters [F24H1/18B3](#)])
- B65D25/16 . . Loose, or loosely-attached, linings
- B65D25/18 . . spaced appreciably from container wall
- B65D25/20 . External fittings (of containers made by folding or erecting blanks made of paper [B65D5/44](#))
- B65D25/20B . . [N: Means for the attachment of labels, cards, coupons or the like; (Cards or coupons for the other types of rigid or semi-rigid containers [B65D25/36](#) takes precedence)] [C9411]
- B65D25/22 . . for facilitating lifting or suspending of containers
- B65D25/24 . . for spacing bases of containers from supporting surfaces, e.g. legs (for pallets [B65D19/40](#))
- B65D25/28 . Handles (of containers made by folding or erecting blanks made of paper [B65D5/46](#); of bottles or jars [B65D23/10](#); [N: holders for glasses, bottles, cartons, plastic bags, cans [A47G23/02](#)])
- B65D25/28A . . [N: fixed, i.e. non-swingable, handles ([B65D25/28C](#), [B65D25/28D](#) take precedence)] [N9904]
- B65D25/28A1 [N: provided on a local area of the side walls] [N9904]
- B65D25/28A1B [N: Horizontal, e.g. U-shaped] [N9904]
- B65D25/28A1C [N: Vertical, e.g. U-shaped] [N9904]
- B65D25/28A1D [N: as a part or combined with a label or wrapping sheet or tube] [N9904]
- B65D25/28A1F [N: fixed by means of one or more collars] [N9904]
- B65D25/28A2 [N: provided on a local area near to or at the upper edge or rim] [N9904]
- B65D25/28A3 [N: centrally located in open container] [N9904]
- B65D25/28A4 [N: provided on a local area of the upper (top) wall, e.g. U-shaped] [N9904]
- B65D25/28A5 [N: provided vertically and fixed to the upper and the lower rims or edges] [N9904]
- B65D25/28A6 [N: provided vertically and fixed to the upper or lower rim and to the side wall] [N9904]
- B65D25/28B . . [N: Swingable handles ([B65D25/28C](#) and [B65D25/28D](#) take precedence; bails [B65D25/32](#))] [N9904]
- B65D25/28B1 [N: provided on a local area of the side wall(s)] [N9904]
- B65D25/28B1B [N: Horizontal, e.g. U-shaped] [N9904]
- B65D25/28B1C [N: Vertical, e.g. U-shaped] [N9904]
- B65D25/28B1D [N: as a part or combined with a label or wrapping sheet or tube] [N9904]
- B65D25/28B1F [N: fixed by means of one or more collars] [N9904]

- B65D25/28B2 . . . [N: provided on a local area near to or at the upper edge or rim] [N9904]
- B65D25/28B3 . . . [N: centrally located in open container] [N9904]
- B65D25/28B4 . . . [N: provided on a local area of the upper (top) wall, e.g. U-shaped] [N9904]
- B65D25/28B5 . . . [N: provided vertically and fixed to the upper and the lower rims or edges] [N9904]
- B65D25/28B6 . . . [N: provided vertically and fixed to the upper or lower rim and to the side wall] [N9904]
- B65D25/28C . . [N: with respective ends fixed to local areas of two opposite sides or wall-part (**bails** [B65D25/32](#))] [N9904]
- B65D25/28C2 . . . [N: Rope or string] [N9904]
- B65D25/28C3 . . . [N: Straps or slings] [N9904]
- B65D25/28C3B [N: fixed by means of a collar] [N9904]
- B65D25/28C4 [N: wire-like] [N9904]
- B65D25/28D . . [N: Integral handles (**B65D25/28C** takes precedence)] [N9904]
- B65D25/28D1 . . . [N: provided on the side wall] [N9904]
- B65D25/28D2 . . . [N: provided near to or at the upper edge or rim] [N9904]
- B65D25/28D3 . . . [N: centrally located in open container] [N9904]
- B65D25/28D4 . . . [N: provided on the top or upper wall] [N9904]
- B65D25/28D7 . . . [N: formed in the wall(s), e.g. roughenings, cavities or projections] [N9904]
- B65D25/30 . . Hand holes
- B65D25/32 . . Bail handles, i.e. pivoted [N: rigid] handles of generally semi-circular shape [N: with pivot points on two opposed sides or wall parts of the container] [C9904]
- B65D25/32B . . . [N: integrally formed with the container] [C9702]
- B65D25/34 . Coverings or external coatings (of containers made by folding or erecting blanks made of paper [B65D5/62](#); for bottles or jars [B65D23/08](#); wrappers [B65D65/00](#))
- B65D25/36 . . formed by applying sheet material
- B65D25/38 . Devices for discharging contents ([N: containers formed by folding or erecting paper blanks [B65D5/72](#)]; incorporated in removable or non-permanently secured closure members [B65D47/00](#); for discharging thin flat articles [B65D83/08](#))
- B65D25/38A . . [N: with means for preventing inflammation or explosion during discharging of inflammable or explosive substances from containers, e.g. from petroleum cans]
- B65D25/40 . . Nozzles or spouts (in general [B05B](#))
- B65D25/42 . . . Integral or attached nozzles or spouts
- B65D25/44 Telescopic or retractable nozzles or spouts
- B65D25/46 Hinged, [N: foldable] or pivoted nozzles or spouts [C9511]
- B65D25/46B [N: the spout being either flexible or having a flexible wall portion, whereby the spout is foldable between a dispensing and a non-dispensing position] [N9511]
- B65D25/48 . . . Separable nozzles or spouts
- B65D25/50 arranged to be plugged in two alternate positions
- B65D25/52 . . Devices for discharging successive articles or portions of contents
- B65D25/52A . . . [N: Swivelling devices, comprising a bottom wall and two side walls]
- B65D25/54 . Inspection openings or windows

B65D25/56 . . . with means for indicating level of contents

Guide heading: **General kinds of flexible containers** ([large containers B65D88/00](#))

B65D27/00 **Envelopes or like essentially-rectangular containers for postal or other purposes having no structural provision for thickness of contents** ([with shock-absorbing properties B65D81/03](#); [letter-cards B42D15/00](#))

B65D27/00C . [N: Linings]

B65D27/02 . with stiffening inserts

B65D27/04 . with apertures or windows for viewing contents

B65D27/06 . with provisions for repeated re-use

B65D27/08 . with two or more compartments

B65D27/10 . Chains of interconnected envelopes

B65D27/12 . Closures ([separate fasteners B42F1/00](#))

B65D27/14 . . using adhesive applied to integral parts, e.g. flaps

B65D27/16 . . . using pressure-sensitive adhesive

B65D27/18 . . . using heat-activatable adhesive

B65D27/20 . . using self-locking integral or attached elements

B65D27/22 . . . Tongue-and-slot or like closures; Tuck-in flaps

B65D27/24 . . . String closures

B65D27/26 . . . Deformable metallic elements

B65D27/28 . . Applications of separate closing elements

B65D27/30 . . with special means for indicating unauthorised opening

B65D27/32 . Opening devices incorporated during envelope manufacture ([incorporated during closing of envelope B43M5/00](#); [separate devices for opening envelopes B43M7/00](#))

B65D27/34 . . Lines of weakness

B65D27/36 . . Finger openings, slots, or gripping tabs

B65D27/38 . . Tearing-strings or -strips

B65D29/00 [N: IPC2] **Sacks or like containers made of fabrics; Flexible containers of open-work, e.g. net-like construction**

B65D29/02 . [N: IPC2] Sacks with laminated or multiple walls

B65D29/04 . [N: IPC2] Net-like containers made of plastics material

B65D31/00 [N: IPC2] **Bags or like containers made of paper and having structural provision for thickness of contents** [N: ([with shock-absorbing properties B65D81/03](#))]

- B65D31/00B . [N: by folding a single blank to U-shape to form the base of the bag and opposite sides of the body-portion, the remaining sides being formed by extensions of one or more of these opposite sides ([cartons B65D5/18](#))]
- B65D31/02 . [N: IPC2] with laminated walls
- B65D31/04 . [N: IPC2] with multiple walls [N: ([B65D81/38K2](#) takes precedence; for shock absorbing purposes [B65D81/03](#))] [C9911]
- B65D31/06 . [N: IPC2] with rigid end walls
- B65D31/08 . [N: IPC2] with block bottoms
- B65D31/10 . [N: IPC2] with gusseted sides
- B65D31/12 . [N: IPC2] with two or more compartments
- B65D31/14 . [N: IPC2] Valve bags, [N: i.e. with valves for filling]
- B65D31/14A . . [N: the filling port being formed by folding a flap connected to a side, e.g. block bottoms]
- B65D31/14B . . [N: the filling port being provided in a flat upper sealing-edge]
- B65D31/14C . . [N: the filling port being provided in a side wall]
- B65D31/16 . [N: IPC2] of special shape
- B65D31/18 . . [N: IPC2] Triangular or conical bags

B65D33/00 Details of, or accessories for, sacks or bags

- B65D33/00B . [N: Blocks, stacks or like assemblies of bags]
- B65D33/00C . [N: Rolls, strips or like assemblies of bags]
- B65D33/00E . [N: Information or decoration elements, e.g. level indicators, detachable tabs or coupons]
- B65D33/00F . [N: Anti-slip or anti-skid bags, e.g. bags provided with anti-slip coating, ribs, strips]
- B65D33/00G . [N: for facilitating the separation of the two walls, e.g. walls of unequal height, tabs; for maintaining the mouth of the sack or bag open] [C9712]
- B65D33/00H . [N: Individual filled bags or pouches connected together ([B65D33/00B](#), [B65D33/00C](#) take precedence)] [N9806]
- B65D33/01 . Ventilation or drainage of bags, [N: e.g. disaligned apertures, labyrinth welds (pressure-relief valves comprising at least one elastic element [B65D77/22D](#); connection of valves to inflatable elastic bodies [B60C29/00](#))]
- B65D33/02 . Local reinforcements or stiffening inserts, e.g. wires, strings, strips, frames [N: ([B65D33/00G](#) takes precedence)] [C9712]
- B65D33/04 . Windows or other apertures, e.g. for viewing contents [N: (ventilation apertures [B65D33/01](#); windows for level indication [B65D33/00E](#))]

- B65D33/06 . Handles [N: (forming part of the closing arrangement [B65D33/16](#))]
- B65D33/06B . . [N: Integral handles ([B65D33/08](#) takes precedence)]
- B65D33/08 . . Hand holes
- B65D33/10 . . formed of similar material to that used for the bag
- B65D33/10B . . . [N: U-shaped]
- B65D33/12 . . String handles

- B65D33/14 . Suspension means ([handles B65D33/06](#))

- B65D33/16 . End- or aperture-closing arrangements or devices ([valves of valve bags \[N: B65D31/14\]](#); [removable stoppers or caps B65D39/00, B65D41/00](#); [closures of filled bags B65D77/10](#); [closing filled bags in association with packaging B65B7/00, B65B51/00](#)) [C1008]
- B65D33/16B . . [N: Integral flaps for tying above the bag]
- B65D33/16D . . [N: Elements constricting the neck of the bag ([hinged clips B65D33/16F2](#))]
- B65D33/16D1 . . . [N: Small plates or the like made of one piece and presenting slits or a central aperture to jam the neck of the bag]
- B65D33/16D2 . . . [N: Closed rings maintaining the constricted neck around an element, e.g. used as a handle or suspension means, with the element integral or non-integral with the ring]
- B65D33/16D3 . . . [N: Staples, clips or clamps made of metal]
- B65D33/16D4 . . . [N: Flexible elongated elements integral with or attached to bags or sacks ([draw closures B65D33/28](#)); Fastening thereof to the bag before closing]
- B65D33/16F . . [N: Elements for flattening or folding the mouth portion ([B65D33/30](#) takes precedence)]
- B65D33/16F1 . . . [N: Slitted tubes with or without a core; U-shaped clips made of one piece]
- B65D33/16F2 . . . [N: Hinged clips]
- B65D33/16G . . [N: A pair of interconnecting rigid strips made of plastic material, e.g. one or both being provided with a handle or suspension means]
- B65D33/16H . . [N: using adhesive applied to attached closure elements]
- B65D33/18 . . using adhesive applied to integral parts, e.g. to flaps ([of envelopes B65D27/14](#))
- B65D33/20 . . . using pressure-sensitive adhesive
- B65D33/22 . . . using heat-activatable adhesive
- B65D33/24 . . using self-locking integral or attached closure elements, e.g. flaps ([B65D33/25](#) takes precedence)
- B65D33/24B . . . [N: Combination of flaps, slits, tongues or apertures, e.g. apertures serving as hand or finger holes]
- B65D33/24D . . . [N: Turn-over flaps co-operating with a separate handle or suspension means]
- B65D33/25 . . Riveting; Dovetailing; Screwing; using press buttons or slide fasteners [N: ([slide fasteners per se A44B19/00](#))] [C9903]
- B65D33/25A . . . [N: using slide fasteners with interlocking members having a substantially uniform section throughout the length of the fastener and operated without a slider] [N9903] [C1008]
- B65D33/25A1 [N: comprising tamper-indicating means, e.g. located within the fastener] [N1008]
- B65D33/25A1A [N: located between the fastener and the product compartment] [N1008]

- B65D33/25A1C [N: the slide fastener being located between the product compartment and the tamper indicating means] [N1008]
- B65D33/25A3 [N: characterised by the slide fastener, e.g. adapted to interlock with a sheet between the interlocking members having sections of particular shape] [N1008]
- B65D33/25A3A [N: being provided with special visual, audible or tactile indicating means, e.g. indicating proper engagement ([B65D33/25A1](#) takes precedence)] [N1008]
- B65D33/25A3C [N: the slide fastener having a non-constant section throughout the length of the fastener, e.g. slightly undulated interlocking members or castellated stringers] [N1008]
- B65D33/25A5 [N: using two or more independently operable slide fasteners] [N1008]
- B65D33/25A7 [N: the slide fastener providing access to the bag through a bag wall, e.g. intended to be cut open by the consumer] [N1008]
- B65D33/25A7A [N: the slide fastener being attached to one wall only] [N1008]
- B65D33/25C [N: using slide fasteners with interlocking members having a substantially uniform section throughout the length of the fastener and operated with a slider] [N1008]
- B65D33/26 . . . using staples or stitches [N: ([B65D33/16D3](#) takes precedence)]
- B65D33/28 . . . Strings or strip-like closures, [N: i.e. draw closures]
- B65D33/30 . . . Deformable or resilient metal or like strips or bands [N: ([B65D33/16D](#) takes precedence)]
- B65D33/32 . . . Metallic chain closures
- B65D33/34 . . . with special means for indicating unauthorised opening [N: ([B65D33/25A1](#) takes precedence)]

- B65D35/00** **Pliable tubular containers adapted to be permanently [N: or temporarily] deformed to expel contents, e.g. collapsible tubes for toothpaste or other plastic or semi-liquid material; Holders therefor [N: (packages for tubes [B65D85/14](#))] [C9810]**
- B65D35/02 . . . Body construction
- B65D35/04 . . . made in one piece
- B65D35/06 from metallic material
- B65D35/08 from plastics material
- B65D35/10 . . . made by uniting or interconnecting two or more components
- B65D35/12 . . . Connections between body and closure-receiving bush
- B65D35/14 . . . with linings or inserts
- B65D35/16 . . . for minimising or preventing corrosion of body
- B65D35/18 . . . for keeping body in rolled state after partial expulsion of contents
- B65D35/20 . . . for retracting contents
- B65D35/22 . . . with two or more compartments
- B65D35/24 . . . with auxiliary devices (linings or inserts [B65D35/14](#))
- B65D35/24B . . . [N: for mixing or discharging of two or more components]
- B65D35/24D . . . [N: Suspension means integral with, or attached to the container ([B65D51/24B](#) takes precedence)] [N9410] [C9705]

- B65D35/24F . . [N: the tubular container being provided on its internal surfaces with press buttons or the like for maintaining the container in compressed state] [N9603]
- B65D35/26 . . for filling
- B65D35/28 . . for expelling contents
- B65D35/28B . . . [N: Co-operating squeezing supporting rollers]
- B65D35/30 . . . Pistons
- B65D35/32 . . Winding keys
- B65D35/34 . . . connected to, or associated with, tube holders
- B65D35/36 . . for applying contents to surfaces (brushes combined or associated with tubular containers [A46B11/00](#))
- B65D35/38 . . . Nozzles
- B65D35/40 . . for metering discharge
- B65D35/42 . . for preventing loss of removable closure members
- B65D35/44 . Closures (closure members of interest apart from this application [B65D39/00](#) to [B65D55/00](#); forming bottom closures after filling [B65B7/14](#))
- B65D35/46 . . with valves (bureau accessories for applying liquids, e.g. adhesive, [B43M11/00](#))
- B65D35/56 . Holders for collapsible tubes [N: ([B65D51/42L](#) takes precedence)] [C9804]
- B65D35/56D . . [N: the holder being attached to a wall or suspended from a panel ([B65D35/28B](#) takes precedence)] [N9705]

B65D37/00 **Portable flexible containers not otherwise provided for**

Guide heading: **Closure members for rigid or semi-rigid containers or for flexible containers presenting similar closing problems** (closure flaps or lids attached to, or incorporated in, containers, or foldable or erectable container blanks, made of paper [B65D3/00](#), [B65D5/00](#); closure walls of containers specially constructed to be opened by cutting, piercing, or tearing of wall portions [B65D17/00](#); applying closure members to bottles, jars, or similar containers [B67B](#); covers or similar closure members, for pressure vessels in general [F16J13/00](#)); **Parts of containers co-operating with closure members or characterised by the form of closure member** (for large containers [B65D90/00](#))

B65D39/00 **Closures arranged within necks or pouring openings or in discharge apertures, e.g. stoppers** (lids or covers [B65D43/00](#); with additional securing elements [B65D45/00](#))

[N: **Notes**

[N0208]In this group, the indexing codes of L65D339 are used
]

- B65D39/00F . [N: made in one piece ([B65D39/02](#), [B65D39/04](#), [B65D39/06](#), [B65D39/08](#) take precedence)] [N0208]
- B65D39/00F1 . . [N: from natural or synthetic cork, e.g. for wine bottles or the like] [N0208]
- B65D39/00F2 . . [N: Injection-molded plastic closures for "Champagne"- or "Sekt"-type bottles] [N0208]
- B65D39/00F3 . . [N: Plastic cap-shaped hollow plugs] [N0208]
- B65D39/00F4 . . [N: Plastic closures other than those covered by groups [B65D39/00F1](#) to [B65D39/00F3](#)] [N0208]

- B65D39/00F6 . . [N: Swing or hinged stoppers, e.g. for "Grosch"-type bottles (toggle mechanisms [B65D45/06](#) or [B65D45/16](#))] [N0208]
- B65D39/00F7 . . [N: Bungs, e.g. wooden or rubber, for barrels or the like ([B65D39/08](#) takes precedence)] [N0208]
- B65D39/00F8 . . [N: Glass, ceramic or metal stoppers for perfume bottles or the like ([B65D39/00F6](#) takes precedence)] [N0208]
- B65D39/00G . . [N: made in more than one piece ([B65D39/02](#), [B65D39/04](#), [B65D39/06](#), [B65D39/08](#) take precedence)] [N0208]
- B65D39/00G1 . . [N: from natural or synthetic cork, e.g. for wine bottles or the like] [N0208]
- B65D39/00G2 . . [N: Injection-molded plastic closures for "Champagne"-or "Sekt"-type bottles] [N0208]
- B65D39/00G3 . . [N: Plastic cap-shaped hollow plugs] [N0208]
- B65D39/00G4 . . [N: Plastic closures other than those covered by groups [B65D39/00G1](#) to [B65D39/00G3](#)] [N0208]
- B65D39/00G6 . . [N: Swing or hinged stoppers, e.g. for "Grosch"-type bottles (toggle mechanisms [B65D45/06](#) or [B65D45/16](#))] [N0208]
- B65D39/00G7 . . [N: Bungs, e.g. wooden or rubber, for barrels or the like ([B65D39/08](#) takes precedence)] [N0208]
- B65D39/00G8 . . [N: Glass, ceramic or metal stoppers for perfume bottles or the like ([B65D39/00G6](#) takes precedence)] [N0208]
- B65D39/02 . . Disc closures (discs with flanges [B65D39/04](#))
- B65D39/02B . . [N: the closure being maintained in place by an additional element] [N0208]
- B65D39/04 . . Cup-shaped plugs or like hollow flanged members
- B65D39/06 . . Balls
- B65D39/08 . . Threaded or like closure members secured by rotation; Bushes therefor
- B65D39/08A . . [N: Bung-rings and bungs for bung-holes]
- B65D39/08A1 . . . [N: Separated bung-rings made by one element]
- B65D39/08A2 . . . [N: Separated bung-rings made by several elements]
- B65D39/08A3 . . . [N: Bungs with special means facilitating handling thereof]
- B65D39/10 . . with bayonet cams
- B65D39/12 . . expansible, e.g. inflatable
- B65D39/14 . . extending through lateral openings in necks
- B65D39/16 . . with handles or other special means facilitating manual actuation
- B65D41/00** **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 ([B65D45/00](#) takes precedence; combinations of caps and protective cap-like covers [B65D51/18](#); making closures by working metal sheet [B21D51/44](#); affixing labels [B65C3/06](#))**
- B65D41/00B . . [N: with integral sealing means ([B65D41/02](#) takes precedence)]

- B65D41/02 . . . Caps or cap-like covers without lines of weakness, tearing strips, tags, or like opening or removal devices
- B65D41/02B . . . [N: with integral internal sealing means]
- B65D41/02Y . . . [N: Caps or cap-like covers attached to the bottle neck by sliding them perpendicularly to the neck axis] [N0001]
- B65D41/04 . . . Threaded or like caps or cap-like covers secured by rotation
- B65D41/04B [N: with integral sealing means ([B65D41/06B](#) takes precedence)]
- B65D41/04B1 [N: formed by a plug, collar, flange, rib or the like contacting the internal surface of a container neck]
- B65D41/04B1A [N: and combined with integral sealing means contacting other surfaces of a container neck]
- B65D41/04B2 [N: formed by a collar, flange, rib or the like contacting the top rim or the top edges or the external surface of a container neck ([B65D41/04B1A](#) takes precedence)]
- B65D41/04D [N: with separate sealing elements]
- B65D41/04D1 [N: Collars or rings ([B65D41/04D3](#) takes precedence)]
- B65D41/04D2 [N: Discs ([B65D41/04D3](#) takes precedence)]
- B65D41/04D3 [N: the sealing element covering or co-operating with the screw-thread or the like of a container neck]
- B65D41/04D4 [N: the screw-thread or the like being formed by conforming the cap-skirt to the thread or the like formation on a container neck]
- B65D41/04E [N: with means for positioning the cap on the container, or for limiting the movement of the cap, or for preventing accidental loosening of the cap]
- B65D41/04E1 [N: the cap being formed by several elements connected together]
- B65D41/04F [N: with means specially adapted for facilitating the operation of opening or closing]
- B65D41/04G [N: formed by several elements connected together ([B65D41/04E1](#) takes precedence)]
- B65D41/06 with bayonet cams, [N: i.e. removed by first pushing axially to disengage the cams and then rotating]
- B65D41/06B [N: with integral internal sealing means]
- B65D41/08 engaging a threaded ring clamped on the external periphery of the neck or wall
- B65D41/08A [N: engaging a bung-ring clamped on the neck or in the wall]
- B65D41/08B [N: with integral internal sealing means]
- B65D41/10 Caps or cap-like covers adapted to be secured in position by permanent deformation of the wall-engaging parts
- B65D41/10B [N: with integral internal sealing means]
- B65D41/12 made of relatively stiff metallic materials, e.g. crown caps
- B65D41/12B [N: with integral internal sealing means]
- B65D41/14 made of metallic foil or like thin flexible material
- B65D41/14B [N: with integral internal sealing means]
- B65D41/16 Snap-on caps or cap-like covers
- B65D41/16B [N: with integral internal sealing means ([B65D41/17](#) takes precedence)] [C9708]
- B65D41/17 push-on and twist-off [N9708]
- B65D41/18 non-metallic, e.g. made of paper or plastics [N: ([B65D41/17](#) takes precedence)] [C9708]

- B65D41/18B [N: with integral internal sealing means]
- B65D41/20 . . Caps or cap-like covers with membranes, e.g. arranged to be pierced
- B65D41/20B [N: with integral internal sealing means]
- B65D41/22 . . Caps or cap-like covers with elastic parts adapted to be stretched over the container
- B65D41/22B [N: with integral internal sealing means]
- B65D41/24 . . Caps or cap-like covers made of shrinkable material or formed in situ by dipping, e.g. using gelatine or celluloid
- B65D41/24B [N: with integral internal sealing means]
- B65D41/26 . . Caps or cap-like covers serving as, or incorporating, drinking or measuring vessels
- B65D41/26B [N: with integral internal sealing means]
- B65D41/28 . . Caps combined with stoppers
- B65D41/30 Deformable caps combined with resilient stoppers to permit re-use as temporary closures

- B65D41/32 . . 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
- B65D41/32B [N: with integral internal sealing means]
- B65D41/34 . . Threaded or like caps or cap-like covers [N: provided with tamper elements formed in, or attached to, the closure skirt]
- B65D41/34A [N: with ratchet-and-pawl mechanism between the container and the closure skirt or the tamper element]
- B65D41/34A1 [N: the tamper element being integrally connected to the closure by means of bridges]
- B65D41/34A1A [N: with drive means between closure and tamper element]
- B65D41/34A3 [N: the tamper element being formed separately but connected to the closure]
- B65D41/34C [N: with flexible tabs, or elements rotated from a non-engaging to an engaging position, formed on the tamper element or in the closure skirt ([B65D41/34A](#) takes precedence)]
- B65D41/34C1 [N: the tamper element being integrally connected to the closure by means of bridges]
- B65D41/34C1A [N: with drive means between closure and tamper element]
- B65D41/34C3 [N: the tamper element being formed separately but connected to the closure]
- B65D41/34D [N: with rigid bead or projections formed on the tamper element and coating with bead or projections on the container ([B65D41/34A](#) takes precedence)]
- B65D41/34D1 [N: the tamper element being integrally connected to the closure by means of bridges]
- B65D41/34D1A [N: with drive means between closure and tamper element]
- B65D41/34D3 [N: the tamper element being formed separately but connected to the closure]
- B65D41/34E [N: the tamper element being retracted by heat or by heat and pressure]
- B65D41/34E1 [N: and being integrally connected to the closure by means of bridges]
- B65D41/34E1A [N: with drive means between closure and tamper element]
- B65D41/34E3 [N: and being formed separately but connected to the closure]
- B65D41/34F [N: the tamper element being rolled or pressed to conform to the shape of the

- container, e.g. metallic closures ([B65D41/34A](#), [B65D41/34C](#) take precedence)]
- B65D41/34F2 [N: having tear-off strips]
- B65D41/34F3 [N: the tamper element being formed separately but connected to the closure]
- B65D41/34H [N: the tamper element being bonded or adhered to the container wall ([B65D41/34E](#) takes precedence)]
- B65D41/36 with bayonet cams, [N: i.e. removed by first pushing axially to disengage the cams and then rotating]
- B65D41/36B [N: with integral internal sealing means]
- B65D41/38 engaging a threaded ring clamped on the external periphery of the neck or wall
- B65D41/38B [N: with integral internal sealing means]
- B65D41/40 Caps or cap-like covers adapted to be secured in position by permanent deformation of the wall-engaging parts
- B65D41/40B [N: with integral internal sealing means]
- B65D41/42 made of relatively-stiff metallic material, e.g. crown caps
- B65D41/42B [N: with integral internal sealing means]
- B65D41/44 made of metallic foil or like thin flexible material
- B65D41/44B [N: with integral internal sealing means]
- B65D41/46 Snap-on caps or cap-like covers
- B65D41/46B [N: with integral internal sealing means ([B65D41/47](#) takes precedence)] [C9708]
- B65D41/47 push-on and twist-off [N9708]
- B65D41/48 non-metallic, e.g. made of paper, plastics [N: ([B65D41/47](#) takes precedence)] [C9708]
- B65D41/48B [N: with integral internal sealing means]
- B65D41/50 Caps or cap-like covers with membranes, e.g. arranged to be pierced
- B65D41/50B [N: with integral internal sealing means]
- B65D41/52 Caps or cap-like covers with elastic parts adapted to be stretched over the container
- B65D41/52B [N: with integral internal sealing means]
- B65D41/54 Caps or cap-like covers made of shrinkable material or formed in situ by dipping, e.g. using gelatine, celluloid
- B65D41/54B [N: with integral internal sealing means]
- B65D41/56 Caps or cap-like covers serving as, or incorporating, drinking or measuring vessels
- B65D41/56B [N: with integral internal sealing means]
- B65D41/58 Caps or cap-like covers combined with stoppers
- B65D41/60 Deformable caps combined with resilient stoppers to permit re-use as temporary closures

- B65D41/62 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 [B65D51/18](#))

- B65D43/00** **Lids or covers for rigid or semi-rigid containers** (for cooking vessels [A47J36/06](#); covers for pressure vessels in general [F16J13/00](#))

[N: **WARNING**]

Groups [B65D43/04](#) to [B65D43/10](#) are no longer used for classification. Documents are in the process of being reorganised to groups [B65D43/02B1](#) to [B65D43/02T9E8](#)
]

- B65D43/02 . Removable lids or covers (with means for piercing, cutting, or tearing a frangible inner closure [B65D51/22](#))
- B65D43/02S . . [N: without integral tamper element] [N0007]
- B65D43/02S3 . . . [N: secured by snapping over beads or projections] [N0007]
- B65D43/02S3A [N: inside a peripheral U-shaped channel in the mouth of the container] [N0007]
- B65D43/02S3B [N: on both the inside and the outside of the mouth of the container ([B65D43/02S3A](#) takes precedence)] [N0007]
- B65D43/02S3D [N: only on the inside, or a part turned to the inside, of the mouth ([B65D43/02S3A](#) takes precedence)] [N0007]
- B65D43/02S3E [N: only on the outside, or a part turned to the outside, of the mouth ([B65D43/02S3A](#) takes precedence)] [N0007]
- B65D43/02S5 . . . [N: secured only by friction or gravity ([B65D43/02S3](#) takes precedence)] [N0007]
- B65D43/02S5A [N: inside a peripheral U-shaped channel in the mouth of the container] [N0007]
- B65D43/02S5B [N: on both the inside and the outside of the mouth of the container ([B65D43/02S5A](#) takes precedence)] [N0007]
- B65D43/02S5D [N: only on the inside, or a part turned to the inside, of the mouth of the container ([B65D43/02S5A](#) takes precedence)] [N0007]
- B65D43/02S5E [N: only on the outside, or a part turned to the outside, of the mouth of the container ([B65D43/02S5A](#) takes precedence)] [N0007]
- B65D43/02S7 . . . [N: secured by rotation] [N0007]
- B65D43/02S7A [N: inside a peripheral U-shaped channel in the mouth of the container] [N0007]
- B65D43/02S7D [N: only on the inside, or a part turned to the inside, of the mouth of the container ([B65D43/02S7A](#) takes precedence)] [N0007]
- B65D43/02S7E [N: only on the outside, or a part turned to the outside, of the mouth of the container ([B65D43/02S7A](#) takes precedence)] [N0007]
- B65D43/02S9 . . . [N: secured by rolling or other plastic deformation] [N0007]
- B65D43/02T . . [N: with integral tamper element] [N0007]
- B65D43/02T3 . . . [N: secured by snapping over beads or projections before removal of the tamper element] [N0007]
- B65D43/02T3A [N: inside a peripheral U-shaped channel in the mouth of the container] [N0007]
- B65D43/02T3A2 [N: leaving only an inside snap after removal of the tamper element] [N0007]
- B65D43/02T3A5 [N: leaving friction on both the inside and the outside after removal of the tamper element] [N0202]
- B65D43/02T3A6 [N: leaving only an inside friction after removal of the tamper element] [N0007]
- B65D43/02T3A8 [N: leaving only an outside friction after removal of the tamper element] [N0007]

B65D43/02T3B	. . . .	[N: on both the inside and the outside of the mouth of the container (B65D43/02T3A takes precedence)] [N0007]
B65D43/02T3B2	. . . . .	[N: leaving only an inside snap after removal of the tamper element] [N0007]
B65D43/02T3D	. . . .	[N: only on the inside, or a part turned to the inside, of the mouth of the container (B65D43/02T3A takes precedence)] [N0007]
B65D43/02T3E	. . . .	[N: only on the outside, or a part turned to the outside, of the mouth of the container (B65D43/02T3A takes precedence)] [N0007]
B65D43/02T3E5	. . . . .	[N: leaving friction on both the inside and the outside after removal of the tamper element] [N0202]
B65D43/02T3E6	. . . . .	[N: leaving only an inside friction after removal of the tamper element] [N0007]
B65D43/02T3E8	. . . . .	[N: leaving only an outside friction after removal of the tamper element] [N0009]
B65D43/02T5	. . . .	[N: secured only by friction or gravity before removal of the tamper element (B65D43/02T3 takes precedence)] [N0007]
B65D43/02T5A	. . . . .	[N: inside a peripheral U-shaped channel in the mouth of the container] [N0007]
B65D43/02T5B	. . . .	[N: on both the inside and the outside of the mouth of the container (B65D43/02T5A takes precedence)] [N0007]
B65D43/02T5B6	. . . . .	[N: leaving only an inside friction after removal of the tamper element] [N0007]
B65D43/02T5D	. . . .	[N: only on the inside, or a part turned to the inside, of the mouth of the container (B65D43/02T5A takes precedence)] [N0007]
B65D43/02T5E	. . . .	[N: only on the outside, or a part turned to the outside, of the mouth of the container (B65D43/02T5A takes precedence)] [N0007]
B65D43/02T7	. . . .	[N: secured by rotation before removal of the tamper element] [N0007]
B65D43/02T7A	. . . . .	[N: inside a peripheral U-shaped channel in the mouth of the container] [N0007]
B65D43/02T7D	. . . .	[N: only on the inside, or a part turned to the inside, of the mouth of the container (B65D43/02T7A takes precedence)] [N0007]
B65D43/02T7E	. . . .	[N: only on the outside, or a part turned to the outside, of the mouth of the container (B65D43/02T7A takes precedence)] [N0007]
B65D43/02T9	. . . .	[N: secured by rolling or other plastic deformation before removal of the tamper element] [N0007]
B65D43/02T9E	. . . . .	[N: only on the outside, or a part turned to the outside, of the mouth of the container] [N0007]
B65D43/02T9E2	. . . . .	[N: leaving only an inside snap after removal of the tamper element] [N0007]
B65D43/02T9E4	. . . . .	[N: leaving only an outside snap after removal of the tamper element] [N0007]
B65D43/02T9E5	. . . . .	[N: leaving friction on both the inside and the outside after removal of the tamper element] [N0102]
B65D43/02T9E6	. . . . .	[N: leaving only an inside friction after removal of the tamper element] [N0007]
B65D43/02T9E8	. . . . .	[N: leaving only an outside friction after removal of the tamper element] [N0007]
B65D43/06	. . .	having a peripheral channel embracing the rim of the container
B65D43/06D	. . .	[N: the peripheral channel having an inverted U-shape]

- B65D43/08 . . . having a peripheral flange fitting over the rim of the container [N: not in use, covered by [B65D43/02S5E](#) and [B65D43/02T5E](#) + L65D43 codes]
- B65D43/12 . . . guided for removal by sliding
- B65D43/14 . Non-removable lids or covers
- B65D43/16 . . . hinged for upward or downward movement ([N: cigar or cigarette receptacles [A24F15/00](#); suitcases, étuis [A45C](#); casings for cosmetic substances with hinged covers [A45D40/22](#); toolboxes [B25H3/02](#); hinges of door or similar type [E05D](#); [N: boxes for switchboards with hinged covers [H02B1/08](#)])
- B65D43/16A [N: comprising two or more cover sections hinged one to another]
- B65D43/16B [N: the container, the lid and the hinge being made of one piece ([B65D43/16A](#) takes precedence)]
- B65D43/16C [N: the container and the lid being made separately ([B65D43/16A](#) takes precedence)]
- B65D43/16C1 [N: and connected by interfitting hinge elements integrally with the container and the lid formed respectively]
- B65D43/16C1A [N: these elements being assembled by a separate pin-like member]
- B65D43/16C2 [N: and connected by separate interfitting hinge elements fixed to the container and the lid respectively]
- B65D43/16C2A [N: these elements being assembled by a separate pin-like member]
- B65D43/16C3 [N: and connected by one or more hinges formed by a separate, single container and a flexible, band-like element fixed to the container and the lid]
- B65D43/16C4 [N: the lid, the hinge and the element connecting them to the container being made of one piece]
- B65D43/18 . . . pivoted for movement in plane of container mouth
- B65D43/20 . . . linearly slidable
- B65D43/22 . . . Devices for holding in closed position, e.g. clips
- B65D43/24 . . . Devices for retaining in open position [N: (holding lids in open position in general [E05C17/00](#); hinges with means for holding open [E05D11/10](#))]
- B65D43/26 . . . Mechanisms for opening or closing, e.g. pedal-operated [N: (for refuse receptacles [B65F1/16D](#))] [C9705]
- B65D43/26B . . . [N: pedal-operated]
- B65D43/26C . . . [N: consisting of levers pivoting perpendicularly to container axis, e.g. butterfly levers]
- B65D43/26D . . . [N: consisting of levers pivoting radially to container axis]
- B65D45/00** . . . **Clamping or other pressure-applying devices for securing or retaining closure members** (screw-threaded or bayonet connections between stoppers or caps and containers [B65D39/08](#), [B65D41/04](#), [B65D41/34](#); expansible stoppers [B65D39/12](#); for pressure vessels in general [F16J13/00](#))
- B65D45/02 . . . for applying axial pressure to engage closure with sealing surface
- B65D45/02B . . . [N: Closure members opened by lever action and maintained closed by spring action ([B65D45/04](#) takes precedence)]
- B65D45/04 . . . comprising U-shaped or bifurcated members coacting with containers [N: these members remaining connected with the closure and with the container when the container is open], e.g. pivoted bails
- B65D45/06 associated with toggle levers, e.g. swing stopper arrangements (forming levers

- or links by working wire [B21F45/04](#))
- B65D45/08 . . . incorporating springs
 - B65D45/10 . . . incorporating tightening screws
 - B65D45/12 . . . associated with locking levers engaging rack teeth for varying the applied pressure
 - B65D45/14 . . . coating with inclined grooves in container wall for varying the applied pressure
 - B65D45/16 . . . Clips, hooks, or clamps [N: which are removable, or which remain connected either with the closure or with the container when the container is open], e.g. C-shaped (U-shaped or bifurcated members [B65D45/04](#))
 - B65D45/18 . . . of snap-over type
 - B65D45/20 . . . pivoted
 - B65D45/22 resilient
 - B65D45/24 incorporating pressure-applying means, e.g. screws, toggles
 - B65D45/26 incorporating tensioning chains
 - B65D45/28 . . . 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
 - B65D45/30 . . . Annular members, e.g. with snap-over action, screw-threaded [N: ([B65D45/32](#) takes precedence)] [N9906]
 - B65D45/30B [N: Screw-threaded or bayonet-type annular members cooperating with an intermediate ring ([B65D41/08](#), [B65D51/14](#) takes precedence)] [N9603] [C9608]
 - B65D45/32 . . . for applying radial [N: or radial and axial] pressure, e.g. contractible bands encircling closure member [C9906]
 - B65D45/32A . . . [N: the clamping device being an annular member moved axially to clamp the closure by using radial pressure ([B65D55/08C](#), [B65D55/08D](#) take precedence)] [N0203]
 - B65D45/32A1 [N: the annular member being screw-threaded or bayonet-type ([B65D51/14](#) takes precedence)] [N0203]
 - B65D45/32A3 [N: the annular member applying radial pressure against the inner surface of the container wall ([B65D55/08C](#), [B65D55/08D](#) take precedence)] [N0205]
 - B65D45/34 . . . lever-operated
 - B65D45/34B [N: Lever-operated contractible or expansible band, the lever moving in the plane of the band] [N9906]

 - B65D47/00** **Closures with filling and discharging, or with discharging, devices** (dispensers for liquid soap [A47K5/12](#); desk equipment for applying liquid by contact with surfaces [B43M11/00](#); fluid delivery valves in general [F16K21/00](#))

 - B65D47/02 . . . for initially filling and for preventing subsequent refilling
 - B65D47/04 . . . Closures with discharging devices other than pumps
 - B65D47/04A [N: with pouring baffles, e.g. for controlling the flow] [N1107]
 - B65D47/04B [N: Closures with swivelling dispensing devices (containers with swivelling devices comprising a bottom wall and two side walls [B65D25/52A](#))]
 - B65D47/06 . . . with pouring spouts or tubes; with discharge nozzles or passages (with slidable spouts [B65D47/26](#))
 - B65D47/06A [N: with telescopic, retractable or reversible spouts, tubes or nozzles]

B65D47/06A1	. . . .	[N: with flexible parts]
B65D47/06B	. . . .	[N: with hinged, foldable or pivotable spouts]
B65D47/06B1	. . . .	[N: the spout being either flexible or having a flexible wall portion, whereby the spout is foldable between a dispensing and a non-dispensing position (B65D47/20E2B1 takes precedence)] [N9511]
B65D47/06C	. . . .	[N: with removable spouts which can be plugged in a discharging and in a closing position]
B65D47/08	. . . .	having articulated or hinged closures [N: (B65D55/16 takes precedence)] [C9511]
B65D47/08B	. . . .	[N: integrally formed with the base element provided with the spout or discharge passage] [N9504]
B65D47/08B1	. . . . .	[N: and elastically biased towards both the open and the closed positions] [N9504]
B65D47/08B1A	. . . . .	[N: by at least three hinge sections, at least one having a length different from the others] [N9505]
B65D47/08B1B	. . . . .	[N: by cam action, e.g. interacting protrusions] [N9505]
B65D47/08B2	. . . . .	[N: and elastically biased towards the closed position only] [N9505]
B65D47/08B3	. . . . .	[N: and elastically biased towards the open position only] [N9505]
B65D47/08B4	. . . . .	[N: Hinges without elastic bias] [N9505]
B65D47/08B4C	. . . . .	[N: located at an edge of the base element] [N9505]
B65D47/08B4C1	. . . . .	{7 dots} [N: consisting of a strap of flexible material] [N9505]
B65D47/08B4F	. . . . .	[N: located within a flat surface of the base element] [N9505]
B65D47/08B4F1	. . . . .	{7 dots} [N: consisting of a strap of flexible material] [N9505]
B65D47/08D	. . . . .	[N: made separately from the base element provided with the spout or discharge passage] [N9505]
B65D47/08D1	. . . . .	[N: and elastically biased towards both the open and the closed positions] [N9505]
B65D47/08D2	. . . . .	[N: and elastically biased towards the closed position only] [N9505]
B65D47/08D3	. . . . .	[N: and elastically biased towards the open position only] [N9505]
B65D47/08D4	. . . . .	[N: Hinges without elastic bias] [N9505]
B65D47/08D4C	. . . . .	[N: located at an edge of the base element] [N9505]
B65D47/08D4C1	. . . . .	{7 dots} [N: one part of the hinge being integral with the hinged closure and the other part with the base element, without any other additional hinge element] [N9505]
B65D47/08D4F	. . . . .	[N: located within a flat surface of the base element] [N9505]
B65D47/08D4F1	. . . . .	{7 dots} [N: one part of the hinge being integral with the hinged closure and the other part with the base element, without any other additional hinge element] [N9505]
B65D47/10	. . . .	having frangible closures
B65D47/10A	. . . .	[N: Membranes with a tearing element]
B65D47/10B	. . . .	[N: with devices for removing frangible parts of the pouring element or of its closure]
B65D47/12	. . . .	having removable closures
B65D47/12A	. . . .	[N: Stoppers]
B65D47/12B	. . . .	[N: Threaded caps]
B65D47/12B1	. . . . .	[N: with internal parts]

B65D47/12C	. . . .	[N: Caps with bayonet cams]
B65D47/12C1	. . . . .	[N: with internal parts]
B65D47/12D	. . . .	[N: Snap-on caps]
B65D47/12D1	. . . . .	[N: with internal parts]
B65D47/14	. . . .	and closure-retaining means
B65D47/14A	. . . . .	[N: for stoppers]
B65D47/14B	. . . . .	[N: for threaded caps]
B65D47/14B1	. . . . .	[N: with internal parts]
B65D47/14C	. . . . .	[N: for caps with bayonet cams]
B65D47/14C1	. . . . .	[N: with internal parts]
B65D47/14D	. . . . .	[N: for snap-on caps]
B65D47/14D1	. . . . .	[N: with internal parts]
B65D47/16	. . .	with closures operating automatically when spout is immersed in discharged liquid
B65D47/18	. . .	for discharging drops; Droppers (droppers in general B01L3/00 ; [N: pipettes connected to container closures B01L3/02F]) [C9412]
B65D47/18A	. . . .	[N: with sprinkling devices]
B65D47/20	. .	comprising hand-operated members for controlling discharge [N: (closures with liquid-dispensing taps or cocks B67D3/04)] [C9412]
B65D47/20C	. . .	[N: formed by a rigid spout outlet opened by tilting of the spout outlet]
B65D47/20D	. . .	[N: formed by a rigid spout outlet and an overcap, the spout outlet being either pushed into alignment with, or pushed through an opening in the overcap, upon rotation of the latter]
B65D47/20E	. . .	[N: comprising a valve or like element which is opened or closed by deformation of the container or closure]
B65D47/20E1	. . . .	[N: Flexible bung-type elements]
B65D47/20E2	. . . .	[N: the element being formed by a slit, narrow opening or constrictable spout, the size of the outlet passage being able to be varied by increasing or decreasing the pressure (B65D47/20E1 takes precedence)]
B65D47/20E2B	. . . . .	[N: the element being opened or closed by actuating a separate element which causes the deformation, e.g. screw cap closing container slit]
B65D47/20E2B1	. . . . .	[N: the separate element being formed by an overcap which constricts a spout, the spout being either pushed into alignment with, or pushed through, an opening in the overcap upon rotation of the latter]
B65D47/20E3	. . . .	[N: the valve being formed by a tubular flexible sleeve surrounding a rod-like element provided with at least one radial passageway which is normally closed by the sleeve]
B65D47/20E4	. . . .	[N: lift valve type (lift valves not opened by deformation B65D47/24)]
B65D47/20E4A	. . . . .	[N: in which the deformation raises or lowers the valve stem]
B65D47/20E4A2	. . . . .	[N: in which the stem is lowered by the pressure of the contents and thereby opening the valve]
B65D47/20E4A3	. . . . .	[N: in which the stem is raised by the pressure of the contents and thereby opening the valve]
B65D47/20E4B	. . . . .	[N: in which the deformation raises or lowers the valve port]
B65D47/20E4B1	. . . . .	[N: the port being formed by a slidable rigid cap-like element which is moved linearly by the pressure of the contents]
B65D47/20E6	. . . .	[N: slide valve type (slide valves not opened by deformation B65D47/26)]

- B65D47/24 . . . with poppet valves [N: or lift valves, i.e. valves opening or closing a passageway by a relative motion substantially perpendicular to the plane of the seat]
- B65D47/24A [N: the valve being opened or closed by actuating a cap-like element]
- B65D47/24A1 [N: moving helically]
- B65D47/24A2 [N: moving linearly, i.e. without rotational motion]
- B65D47/24A3 [N: being rotated without axial translation, whilst transmitting axial motion to an internal valve stem or valve seat]
- B65D47/24C [N: the valve being opened or closed by actuating a stopper-type element]
- B65D47/24C1 [N: moving helically, e.g. screw tap]
- B65D47/24C2 [N: moving linearly, i.e. without rotational motion]
- B65D47/24E [N: the valve being opened or closed by imparting a motion to the valve stem ([B65D47/24A3](#), [B65D47/24C](#) take precedence)]
- B65D47/24E1 [N: by means of a lever mechanism]
- B65D47/26 . . . with slide valves, [N: i.e. valves that open and close a passageway by sliding over a port], e.g. formed with slidably spouts
- B65D47/26D [N: having a rotational or helicoidal movement ([B65D47/30](#) takes precedence)] [C9412]
- B65D47/26D2 [N: between tubular parts] [C9412]
- B65D47/26D4 [N: between planar parts ([B65D47/24](#) takes precedence)]
- B65D47/26D5 [N: the rotational movement being transmitted by displacement of an additional external element, e.g. overcap ([B65D47/26D4](#) takes precedence)] [N9811]
- B65D47/26D6 [N: the valve member pivoting about an axis perpendicular to the container mouth axis ([B65D47/26D5](#) takes precedence)] [N9811]
- B65D47/28 having linear movement
- B65D47/28B [N: between tubular parts]
- B65D47/28D [N: between planar parts]
- B65D47/30 . . . with plug valves, [N: i.e. valves that open and close a passageway by turning a cylindrical or conical plug without axial passageways]
- B65D47/30B [N: provided with a spout, e.g. "escargot"-type valve] [N9412]
- B65D47/32 . . . with means for venting [C9412]
- B65D47/36 . . . Closures with frangible parts adapted to be pierced, torn, or removed, to provide discharge openings ([B65D51/18](#) takes precedence; caps with piercable membranes [B65D41/20](#), [B65D41/50](#))
- B65D47/38 . . . with piercing means arranged to act subsequently as a valve to control the opening
- B65D47/40 . . . with drip catchers or drip-preventing means
- B65D47/42 . . . with pads or like contents-applying means ([N: contents-applying means associated to aerosol container nozzles [B65D83/28B](#)]; brushes combined or associated with containers [A46B11/00](#); swabs for applying media to the human body from an integral supply [A61F13/40](#)) [M1109]
- B65D47/44 . . . 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 surfaces [N: ([B65D35/54](#) not used) [B65D47/24E](#)])
- B65D49/00** . . . **Arrangements or devices for preventing refilling of containers** (integral, or permanently secured, closures for containers specially adapted to be opened by cutting,

piercing, or tearing of wall portions [B65D17/00](#); for initial filling and for preventing subsequent refilling [B65D47/02](#))

- B65D49/02 . One-way valves
 - B65D49/04 . . Weighted valves
 - B65D49/06 . . . with additional loading weights
 - B65D49/08 . . Spring-loaded valves
 - B65D49/10 . . Arrangements of several valves
 - B65D49/12 . by destroying, in the act of opening the container, an integral portion thereof
- B65D50/00** **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. \[B65D41/32\]\(#\), \[B65D51/20\]\(#\)](#))
- B65D50/02 . openable or removable by the combination of plural actions
 - B65D50/04 . . requiring the combination of simultaneous actions, e.g. depress and turn, lift and turn, maintain a part and turn another one ([caps or covers secured by rotation with bayonet cams \[B65D41/06\]\(#\), \[B65D41/36\]\(#\)](#))
 - B65D50/04B . . . [N: the closure comprising nested inner and outer caps or an inner cap and an outer coaxial annular member, which can be brought into engagement to enable removal by rotation]
 - B65D50/04D . . . [N: the closure comprising a screw cap whose threads are shaped to accommodate blocking elements and the closure is removed after first applying axial force to unblock it and allow it to be unscrewed]
 - B65D50/04F . . . [N: where one action elastically deforms or deflects at least part of the closure, the container or an intermediate element, e.g. a ring ([B65D50/04B](#), [B65D50/04D](#) take precedence)]
 - B65D50/04F2 [N: and such deformation causes the disengagement of locking means, e.g. the release of a pawl-like element from a tooth or abutment, to allow removal of the closure by simultaneous rotation]
 - B65D50/04F4 [N: and such deformation causes the engagement of means, e.g. threads, to allow removal of the closure by simultaneous rotation]
 - B65D50/06 . . requiring the combination of different actions in succession [N9707]
 - B65D50/06B . . . [N: being disengageable from container only after rotational alignment of closure, or other means inhibiting removal of closure, with container, e.g. tortuous path type ([B65D55/14B](#) takes precedence)] [N9707]
 - B65D50/06B2 [N: the closure removal inhibiting means being a displaceable ring] [N9707]
 - B65D50/06C . . . [N: the closure or container being provided with two spaced sets of screw threads or the like] [N9707]
 - B65D50/06C2 [N: at least one of the sets of threads being formed in a separate ring] [N9707]
 - B65D50/06D . . . [N: with separate ring having to be axially displaced to permit user to access closure ([B65D50/06B2](#), [B65D50/06C2](#) take precedence; radial pressure applying means [B65D45/32](#))] [N9707]
 - B65D50/06F . . . [N: whereby parts of the container or closure having to be deformed, i.e. bi-stable movement ([B65D50/04F](#) takes precedence)] [N9707]

- B65D50/06H . . . [N: using integral or non-integral accessories, e.g. tool, key
([B65D50/06B2](#), [B65D50/06C2](#), [B65D50/06D](#) take precedence)] [N9707]
- B65D50/06H3 [N: the closure comprising an inner closure and a freely rotating outer cap or sleeve whereby a tool, key or the like is inserted between the two closure elements to enable removal of the closure] [N9707]
- B65D50/06H4 [N: the closure being provided with a retractable element whereby the closure is removed by extending or raising the retractable element and exerting a lifting force on this element] [N9707]

- B65D51/00** **Closures not otherwise provided for** (covers or similar closures as engineering elements for pressure vessels in general [F16J13/00](#))

- B65D51/00B . [N: Closures to be pierced by an extracting-device for the contents and fixed on the container by separate retaining means]
- B65D51/00C . [N: Closures provided with linings or internal coatings so as to avoid contact of the closure with the contents]
- B65D51/00F . [N: Separate closure devices for reclosing opened cans or tins, e.g. beer cans] [N9502]
- B65D51/02 . Loosely-engaging lids or covers for jars, cans, or like containers for liquids without means for effecting sealing of container (for cooking-vessels [A47J36/06](#))
- B65D51/04 . . hinged ([B65D51/10](#) takes precedence)
- B65D51/06 . . collapsible
- B65D51/08 . . with axial projections fitting within, or around, the walls defining the openings, e.g. for milk churns
- B65D51/10 . . opening automatically when container is tilted for pouring
- B65D51/12 . . Flexible non-elastic covers
- B65D51/14 . Rigid discs or spherical members adapted to be held in sealing engagement with mouth of container, e.g. closure plates for preserving jars [C9707]
- B65D51/14B . . [N: by means of an additional element connected directly to the container] [N9707]
- B65D51/16 . with means for venting air or gas
- B65D51/16C . . [N: whereby the interior of the container is maintained in permanent gaseous communication with the exterior]
- B65D51/16C1 . . . [N: by means of an orifice, capillary or labyrinth passage ([B65D51/16C2](#), [B65D51/16C3](#) take precedence)]
- B65D51/16C2 . . . [N: by means of a filter]
- B65D51/16C3 . . . [N: by means of a passage for the escape of gas between the closure and the lip of the container mouth]
- B65D51/16C3B [N: the closure being for a box-like container]
- B65D51/16D . . [N: whereby venting occurs by automatic opening of the closure, container or other element]
- B65D51/16D1 . . . [N: by means of an element bursting upon a predetermined pressure in the container being exceeded]
- B65D51/16D2 . . . [N: the element being a valve ([B65D51/16D3](#) takes precedence)]
- B65D51/16D2A [N: formed by a slit or narrow opening]

- B65D51/16D2B [N: formed by an elastic band closing an opening in a tubular part of the closure encircled by said band] [N1003]
- B65D51/16D3 [N: by means of a passage for the escape of gas between the closure and the lip of the container mouth]
- B65D51/16D3B [N: the closure being for a box-like container]
- B65D51/16E . . . [N: whereby venting occurs by manual actuation of the closure or other element]
- B65D51/16E1 [N: by rupturing a portion of the closure]
- B65D51/16E2 [N: by actuating a separate element in the container or closure]
- B65D51/16E3 [N: Venting occurring during initial closing or opening of the container, by means of a passage for the escape of gas between the closure and the lip of the container mouth, e.g. interrupted threads]
- B65D51/16E3B [N: the closure being for a box-like container]
- B65D51/18 . . . 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 [B65D41/62](#); [N: [B65D51/24H2](#) takes precedence]) [C9510]
- B65D51/18B . . . [N: the outer closure being a foil membrane]
- B65D51/20 . . . Caps, lids, or covers co-operating with an inner closure arranged to be opened by piercing, cutting, or tearing [N: ([B65D51/18B](#) takes precedence; co-operating with an auxiliary container for additional articles or materials [B65D51/28](#))] [C1002]
- B65D51/22 having means for piercing, cutting, or tearing the inner closure
- B65D51/22A [N: a major part of the inner closure being left inside the container after the opening] [N0508] [C1002]
- B65D51/22A1 [N: the piercing or cutting means being integral with, or fixedly attached to, the outer closure] [N0508] [C1002]
- B65D51/22A1B [N: the outer closure having to be removed or inverted for piercing or cutting] [N0508]
- B65D51/22A1D [N: the outer closure comprising flexible parts ([B65D51/22A1B](#) takes precedence)] [N0508] [C1002]
- B65D51/22A1F [N: and further comprising a device first inhibiting displacement of the outer closure ([B65D51/22A1B](#) takes precedence)] [N0508]
- B65D51/22A3 [N: the piercing or cutting means being non integral with, or not fixedly attached to, the outer closure] [N0508] [C1002]
- B65D51/22A3F [N: and further comprising a device first inhibiting displacement of the piercing or cutting means] [N0508] [C1002]
- B65D51/22C [N: a major part of the inner closure being removed from the container after the opening] [N0508] [C1002]
- B65D51/24 . . . combined [N: or co-operating] with auxiliary devices for non-closing purposes [C1002]
- B65D51/24A . . . [N: provided with freeze-drying means]
- B65D51/24B . . . [N: provided with means for facilitating lifting or suspending of the container]
- B65D51/24D . . . [N: combined with an opening device ([B65D51/22](#) takes precedence)]
- B65D51/24E . . . [N: provided with oxygen absorbers]
- B65D51/24F . . . [N: provided with decoration, information or contents indicating devices, labels ([B65D81/36D2](#) takes precedence)] [N9502] [C9707]
- B65D51/24H . . . [N: provided with eating utensils or spatulas ([applicator rods or brushes B65D51/32](#))] [N9502]
- B65D51/24H2 [N: located between an inner and an outer closure] [N9510]

- B65D51/24K . . . [N: the closure being provided with transient audible or visual signaling means, e.g. for indicating dispensing, or other illuminating or acoustic devices, e.g. whistles ([B65D55/02G](#), [B65D55/02J](#) take precedence; for indicating incorrect storage [B65D79/02](#))] [N9804]
- B65D51/24L . . . [N: the closure being specifically formed for supporting the container] [N9804]
- B65D51/26 . . . with means for keeping contents in position, e.g. resilient means
- B65D51/28 . . . with auxiliary containers for additional articles or materials [N: ([B65D51/24H2](#) takes precedence)] [C9510]
- B65D51/28B [N: the closure presenting means for placing the additional articles or materials in contact with the main contents by acting on a part of the closure without removing the closure, e.g. by pushing down, pulling up, rotating or turning a part of the closure, or upon initial opening of the container]
- B65D51/28B1 [N: the additional article or materials being released by piercing, cutting or tearing an element enclosing it] [N1002]
- B65D51/28B1A [N: said element being a blister, a capsule or like sealed container] [N1002]
- B65D51/28B1B [N: said element being a film or a foil ([B65D51/28B1A](#), [B65D51/28B1C](#) take precedence)] [N1002]
- B65D51/28B1B1 [N: ruptured by a sharp element, e.g. a cutter or a piercer] [N1002]
- B65D51/28B1C [N: said element being provided with a preformed weakened line ([B65D51/28B1A](#) takes precedence)] [N1002]
- B65D51/28B1C1 [N: ruptured by a sharp element, e.g. a cutter or a piercer] [N1002]
- B65D51/28B2 [N: the additional article or materials being released by displacing or removing an element enclosing it ([B65D51/28B1](#) takes precedence)] [N1002]
- B65D51/28B2A [N: the element being a plug or like element closing a passage between the auxiliary container and the main container] [N1002]
- B65D51/28B2A1 [N: the plug falling into the main container] [N1002]
- B65D51/28B2B [N: the element being a lid or cover seated on a passage between the auxiliary container and the main container] [N1002]
- B65D51/28B2C [N: the element being the auxiliary container falling into the main container; the additional article or materials in solid block form falling into the main container] [N1002]
- B65D51/28B2D [N: the element, e.g. a valve, opening an aperture of the auxiliary container ([B65D51/28B2A](#), [B65D51/28B2B](#) take precedence)] [N1002]
- B65D51/30 for desiccators
- B65D51/32 . . . with brushes or rods for applying or stirring contents ([droppers B65D47/18](#); [N: eating utensils or spatulas [B65D51/24H](#)]) [C9502]

B65D53/00 Sealing or packing elements (sealings in general [F16J15/00](#)); Sealings formed by liquid or plastics material

[N: **Note**
[C0208]Sealings or packing means combined with particular closures are classified with the closures, e.g. in subgroups of [B65D39/00](#) together with ICO codes out of L65D339, or in the groups [B65D41/00B](#), [B65D41/00D](#)
]

B65D53/02 . Collars or rings

B65D53/04 . Discs

- B65D53/06 . Sealings formed by liquid or plastic material
- B65D53/08 . Flexible adhesive strips adapted to seal filling or discharging apertures
- B65D53/10 . characterised by special adaptation to acid-proof vessels
- B65D55/00 Accessories for container closures not otherwise provided for**
- B65D55/02 . Locking devices; Means for discouraging or indicating unauthorised opening or removal of closure (*protective covers for bottles [B65D23/08](#); [N: [B65D41/32](#) takes precedence]; protective cap-like outer covers for bottle or jar closures [B65D41/28](#); pressure-applying means [B65D45/00](#))*
- B65D55/02D . . [N: with ratchet effect between relatively rotating parts ([B65D41/34A](#), [B65D50/04](#) take precedence)]
- B65D55/02F . . [N: Closures in which a part has to be ruptured to gain access to the contents ([B65D41/32](#), [B65D43/02T](#), [B65D55/02D](#), [B65D55/06](#) take precedence)] [C0109]
- B65D55/02G . . [N: initial opening or unauthorised access being indicated by a visual change using indicators other than tearable means, e.g. change of colour, pattern or opacity ([B65D55/06D](#) takes precedence)]
- B65D55/02J . . [N: initial opening or unauthorised access being indicated by the presence or absence of an audible or electrical signal]
- B65D55/04 . . Spring clips, e.g. of wire, of sheet metal
- B65D55/06 . . Deformable or tearable wires, strings, or strips (*containers specially constructed to be opened by tear-strips, strings or the like [B65D17/00](#); caps or cap-like closures with tear-strips [B65D41/32](#)*); Use of seals, e.g. destructible locking pins ([N: [B65D55/02D](#) takes precedence]; applying labels to bottles [B65C3/06](#), [B65C9/00](#); seals per se [G09F3/00](#))
- B65D55/06B . . . [N: Muzzlets]
- B65D55/06D . . . [N: Foil covers combined with outer closures and comprising interacting or interposed tamper indicating means visible through the outer closure, e.g. releasable coloured dyes, changeable patterns, pierceable membranes, visible through a transparent closure or through a window]
- B65D55/08 . . . Annular elements encircling container necks
- B65D55/08A [N: Destructible filamentary elements (*non-destructible elements [B65D45/32A](#)*)]
- B65D55/08B [Destructible or permanently removable bands, e.g. adhesive]
- B65D55/08B1 [N: Separate tamper bands inserted between container and closure ([B65D41/32](#) takes precedence)]
- B65D55/08B2 [N: Metallic strips, e.g. soldered on container and lid (*containers with integral tearing strips with tongues or tags for engagement by slotted keys [B65D17/22](#)*)]
- B65D55/08B2A [N: Metallic strips or cap-like collars having their edges crimped over part of the container and closure or other element, e.g. with C-shaped cross-section]
- B65D55/08B3 [N: Shrink-film bands ([B65D41/54](#), [B65D41/62](#) take precedence)]
- B65D55/08C [N: Plastic snap-on cap-like collars having frangible parts (*collar for maintaining rigid discs in sealing engagement with mouth of containers [B65D51/14B](#)*)] [C9707]
- B65D55/08D [N: Destructible rigid elements snapping into annular grooves in closure for maintaining closure on container (*non-destructible elements [B65D45/32A](#)*)]

- B65D55/08E [N: Closure not directly connected to container, but connected by means of a destructible intermediate ring ([B65D55/08C](#) takes precedence)]
- B65D55/08F [N: Annular tamper band connected to the closure, but not coacting with the container for preventing initial downward motion, e.g. on two-parts child-proof closures ([B65D41/32](#) takes precedence)]
- B65D55/10 . . Locking pins [N: (destructible locking pins [B65D55/06](#))] [C9507]
- B65D55/12 . . Devices or means with relatively-moving parts co-operating with abutments on bottle or jar ([N: [B65D55/02D](#) takes precedence]; applications of locks [B65D55/14](#))
- B65D55/14 . . Applications of locks, e.g. of permutation or key-controlled locks [C0001]
- B65D55/14B . . . [N: of permutation locks]
- B65D55/16 . Devices preventing loss of removable closure members
- B65D55/16A . . [N: by an element constrained within the container neck, i.e. the element passing through the container opening] [N9709]

Guide heading: **Kinds or types of packaging elements**

- B65D57/00** **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** [N: ([B65D71/00E](#) takes precedence)]
- B65D59/00** **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, end caps for tubes or for bundling rod-shaped articles** [N: (stopping flow from or in pipes or hoses by means of plugs [F16L55/11](#), by means of caps [F16L55/115](#); protection of pipes or objects of similar shape against external or internal damage or wear [F16L57/00](#))] [C9505]
- B65D59/02 . Plugs
- B65D59/04 . Sleeves, e.g. postal tubes
- B65D59/06 . Caps
- B65D59/08 . . of polygonal cross-section
- B65D61/00** **External frames or supports adapted to be assembled around, or applied to, articles** (collapsible containers [B65D5/00](#), [B65D7/24](#), [B65D9/12](#), [B65D11/18](#))
- B65D61/02 . Tubular frames with resilient joints
- B65D63/00** **Flexible elongated elements, e.g. straps, for bundling or supporting articles** (attached to or integral with bags or sacks [B65D33/16D4](#); for securing load [B60P7/08C](#); for supporting pipes, cables or protective tubing [F16L3/13Z](#); [N: for bundling pipes [F16L3/233](#)]) [C9807]
- B65D63/02 . Metallic straps, tapes, or bands; Joints between ends thereof
- B65D63/04 . . Joints produced by deformation of ends of elements
- B65D63/06 . . Joints produced by application of separate securing members, e.g. by deformation thereof [C9807]

- B65D63/08 . . . Joints using buckles, wedges, or like locking members attached to the ends of the elements
- B65D63/10 . Non-metallic straps, tapes, or bands; Filamentary elements, e.g. strings, threads, wires; Joints between ends thereof
- B65D63/10A . . [N: Adhesive tapes (composition of the tapes [C09J7/00](#))] [C9609]
- B65D63/10B . . [N: Joints produced by application of integral securing members, e.g. buckles, wedges, tongue and slot, locking head and teeth or the like] [C9807]
- B65D63/10B3 . . . [N: the integral securing member being formed as a female and male locking member, e.g. locking head and locking teeth, or the like] [N9807]
- B65D63/10B3M [N: the female locking member being provided with at least one metal barb] [N9807]
- B65D63/10B3M1 [N: the barb having a plurality of serrations] [N9807]
- B65D63/10B3M2 [N: with barbs situated on opposite sides of, or concentrically in, the female locking member] [N9807]
- B65D63/10B3P [N: the female locking member being provided with at least one plastic barb] [N9807]
- B65D63/10B3P1 [N: the barb having a plurality of serrations] [N9807]
- B65D63/10B3P2 [N: with barbs situated on opposite sides of, or concentrically in, the female locking member] [N9807]
- B65D63/10C . . [N: Application of elastics or like elements]
- B65D63/12 . . Joints produced by deformation or tying of ends of elements
- B65D63/14 . . Joints produced by application of separate securing members [C9807]
- B65D63/16 . . . Joints using buckles, wedges, or like locking members attached to the end of the element
- B65D63/18 . Elements provided with handles or other suspension means

B65D65/00 **Wrappers or flexible covers; Packaging materials of special type or form** (wrappers or envelopes with shock-absorbing properties [B65D81/03](#); layered products per se [B32B](#); materials per se, see the relevant classes)

Note

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

- B65D65/02 . Wrappers or flexible covers
- B65D65/04 . . non-rectangular
- B65D65/06 . . . formed with foldable flaps, e.g. interlocking flaps
- B65D65/08 . . . with fastening elements, e.g. slide fasteners
- B65D65/10 . . rectangular
- B65D65/12 . . . formed with crease lines to facilitate folding
- B65D65/14 . . with areas coated with adhesive
- B65D65/16 . . with provision for excluding or admitting light
- B65D65/18 . . . with some areas transparent and others opaque
- B65D65/20 . . . with provision for excluding light of a particular wavelength
- B65D65/22 . . Details

- B65D65/24 . . . Tabs or other projections for locating contents
- B65D65/38 . Packaging materials of special type or form
- B65D65/40 . . Applications of laminates for particular packaging purposes [N: ([B65D1/02B1](#), [B65D1/28](#), [B65D3/22](#), [B65D5/02J](#), [B65D5/56B](#), [B65D9/30](#), [B65D29/02](#), [B65D31/02](#), [B65D75/26](#), [B65D77/20D](#), [B65D81/127A](#), [B65D81/38A4](#), [B65D81/38B4](#), [B65D81/38C4](#), [B65D81/38F4](#), [B65D81/38G4](#), [B65D81/38H4](#), [B65D81/38K4](#), [B65D81/38L4](#) take precedence; laminates per se or laminated packages characterised by the composition or)] [C0810]
- [N: **Note** [N0810]
A packaging purpose covered by another group of B65D should be classified in that group of B65D and in B32B)]
]
- B65D65/40B . . . [N: with at least one corrugated layer]
- B65D65/40C . . . [N: with at least one layer provided with a relief other than corrugations]
- B65D65/42 . . Applications of coated or impregnated materials
- B65D65/44 . . [N: IPC2] Applications of resilient shock-absorbing materials, e.g. foamed plastics material, honeycomb material
- B65D65/46 . . Applications of disintegrable, dissolvable or edible materials
- B65D65/46B . . . [N: Edible packaging materials]
- B65D65/46C . . . [N: Bio- or photodegradable packaging materials]
- B65D67/00** **Kinds or types of packaging elements not otherwise provided for** [N: ([B65D5/42E3](#) takes precedence)] [C0008]
- B65D67/02 . Clips or clamps for holding articles together for convenience of storage or transport
- Guide heading:** **Kinds or types of packages**
- B65D69/00** **Articles joined together for convenience of storage or transport without the use of packaging elements** ([N: packages joined together [B65D5/42H](#), [B65D21/02](#)]; joining articles for convenience of packaging [B65B17/02](#)) [C9806]
- B65D71/00** **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 (binding of hay or straw [A01D](#), [A01F1/00](#); bundling or baling [B65B](#), e.g. [B65D13/00](#), [B65D27/00](#))**
- B65D71/00B . [N: Tray-like elements provided with handles, for storage or transport of several articles, e.g. bottles, tins, jars]
- B65D71/00B1 . . [N: without partitions]
- B65D71/00B1A . . . [N: with separately-attached handles]
- B65D71/00B2 . . [N: with one longitudinal partition]
- B65D71/00B2A . . . [N: with separately-attached handles]
- B65D71/00B3 . . [N: formed by folding or erecting one blank, and provided with vertical partitions]
- B65D71/00B3A . . . [N: with separately-attached handles]
- B65D71/00B4 . . [N: formed by folding one blank so as to form a tubular element in which the upper

- wall is provided with openings through which the articles extend partially]
- B65D71/00B4A . . . [N: with parts of the walls bent against one another so as to form a longitudinal partition for two rows of articles]
 - B65D71/00B4A1 [N: with additional locating elements for the articles]
 - B65D71/00B4A2 [N: with individual openings for holding the articles]
 - B65D71/00B4A3 [N: with separately-attached handles]
 - B65D71/00B4B [N: with walls wrapping around a great part of the articles]
 - B65D71/00B4B1 [N: with additional locating elements for the articles]
 - B65D71/00B4B2 [N: with individual openings for holding the articles]
 - B65D71/00B4B3 [N: with separately-attached handles]
 - B65D71/00B4C [N: for holding one row of articles]
 - B65D71/00B4C1 [N: with additional locating elements for the articles]
 - B65D71/00B4C2 [N: with individual openings for holding the articles]
 - B65D71/00B4C3 [N: with separately-attached handles]
 - B65D71/00B5 . . . [N: formed by folding and interconnecting of two or more blanks]
 - B65D71/00B5A . . . [N: with separately attached handles]

 - B65D71/00F . . . [N: Packaging elements adhered to the articles, e.g. a carton sheet ([adhesive tapes B65D63/10A](#))]

 - B65D71/00P . . . [N: Palletisable loads, i.e. loads intended to be transported by means of a fork-lift truck]
 - B65D71/00P1 . . . [N: provided with one or more rigid supports, at least one dimension of the supports corresponding to a dimension of the load, e.g. skids]
 - B65D71/00P1A . . . [N: the dimensions of the supports corresponding to the periphery of the load, e.g. pallets]

 - B65D71/02 . . . Arrangements of flexible binders
 - B65D71/04 . . . with protecting or supporting elements arranged between binder and articles or materials, e.g. for preventing chafing of binder

 - B65D71/06 . . . Packaging elements holding or encircling completely or almost completely the bundle of articles, e.g. wrappers [N0802]
 - B65D71/06F . . . [N: Wrappers formed by one or more films or the like, e.g. nets ([B65D71/08](#) takes precedence; wrappers formed by folding a single blank [B65D71/12](#); wrappers formed by folding two or more blanks [B65D71/38](#))] [N0802]
 - B65D71/06F2 [N: and provided with inserts ([B65D71/10](#) takes precedence)] [N0802]
 - B65D71/08 . . . Wrappers shrunk by heat [N: or under tension, e.g. stretch films, films tensioned by compressed articles (wrappers formed by folding a single blank [B65D71/12](#); wrappers formed by folding two or more blanks [B65D71/38](#))] [N0802]
 - B65D71/10 and provided with inserts [N0802]
 - B65D71/12 . . . the packaging elements [N: e.g. wrappers] being formed by folding a single blank [N0802]
 - B65D71/12N [N: not having a tubular shape] [N0802]
 - B65D71/14 having a tubular shape [N: e.g. tubular wrappers] without end walls ([sleeves B65D59/04](#)) [N0802]
 - B65D71/16 with article-locating elements [N0802]
 - B65D71/18 Tabs inwardly folded tabs from the upper or lower wall [N0802]

- B65D71/20 Slits or openings along the fold line of the tubular body [N0802]
- B65D71/22 Openings or windows formed in the side walls [N0802]
- B65D71/24 with partitions [N0802]
- B65D71/24B [N: extending from the side walls] [N0802]
- B65D71/24C [N: Inserted partitions] [N0802]
- B65D71/26 extending from the upper or lower wall [N0802]
- B65D71/28 characterised by the handles [N0802]
- B65D71/28B [N: Separately-attached handles] [N0802]
- B65D71/30 unitary [N: i.e. integral] with the tubular packaging elements [N0802]
- B65D71/32 formed by finger-holes [N0802]
- B65D71/34 characterised by [N: weakened lines or other opening devices] [N0802]
- B65D71/36 [N: having a tubular shape, e.g. tubular wrappers, with] end walls [N0802]
- B65D71/38 the packaging elements [N: e.g. wrappers] being formed by folding and interconnecting two or more blanks [N0802]

- B65D71/40 comprising a plurality of articles held together only partially by packaging elements formed by folding a blank [N: or several blanks] [N9610]
- B65D71/40B [N: formed by folding several blanks] [N9610]
- B65D71/40B2 [N: characterised by the handle] [N9610]
- B65D71/42 formed by folding a single blank into a single layer element [N9610]
- B65D71/44 characterised by the handle [N9610]
- B65D71/46 formed by folding a single blank into a tubular element [N9610]
- B65D71/48 characterised by the handle [N9610]

- B65D71/50 comprising a plurality of articles held together only partially by packaging elements formed otherwise than by folding a blank
- B65D71/50B [N: Coaxial connections]
- B65D71/50D [N: the element being formed from a flexible sheet provided with slits or apertures intended to be stretched over the articles and adapt to the shape of the article]
- B65D71/50D2 [N: and provided with an additional element encircling the periphery of the group of articles]
- B65D71/50F [N: the elements being formed by one or more films or similar, e.g. nets] [N9610]

- B65D71/70 Trays provided with projections or recesses in order to assemble multiple articles, e.g. intermediate elements for stacking [N0802]
- B65D71/72 formed by folding one or more blanks, the articles being inserted in openings in a wall [N: (trays with apertures located within an external paper container [B65D5/50D4B](#))] [N0802]

- B65D73/00** **Packages comprising articles attached to cards, sheets, or webs** ([N: [B65D85/18](#) takes precedence]; cards for buttons, collar-studs, or sleeve-links [A44B7/00](#); attaching articles to cards, sheets, or webs [B65B15/00](#))

- B65D73/00B [N: the articles being attached to the plane surface of a single card ([B65D75/30](#) takes precedence)]
- B65D73/00B1 [N: by means of separate fixing elements, e.g. clips, clamps, bands]
- B65D73/00B2 [N: by means of cut-out or marginal tabs, tongues or flaps]

- B65D73/00B3 . . [N: by means of adhesive, heat-seal or the like]
- B65D73/00C . [N: the articles being retained within a recess or a series of recesses provided in a single card ([B65D75/32](#) takes precedence)]
- B65D73/00D . [N: the articles being retained within a window, hole or other cut-out portion of a single card]
- B65D73/00D1 . . [N: by means of separate fixing elements, e.g. clips, clamps, bands]
- B65D73/00D1B . . . [N: by means of a preformed enclosure, e.g. a bulb]
- B65D73/00E . [N: the articles being supported by or suspended from a tag-like element (**hangers for wearing apparel** [A47G25/00](#))]
- B65D73/00E1 . . [N: the tag-like element being doubled-over to engage the upper part of the article]
- B65D73/00F . [N: the articles being retained or enclosed in a folded-over or doubled card ([B65D75/20](#) takes precedence)]
- B65D73/00F1 . . [N: within a window, hole or cut-out portion]
- B65D73/00F1B . . . [N: combined with a preformed enclosure, e.g. a bulb]
- B65D73/02 . Articles, e.g. small electrical components, attached to webs

- B65D75/00** **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 ([B65D71/00](#) takes precedence; wrapping [B65B11/00](#))**

- B65D75/00B . [N: in shrink films ([B65D71/00CA5B](#) takes precedence)]
- B65D75/00B1 . . [N: with auxiliary packaging elements, e.g. protective pads or frames, trays]
- B65D75/00D . [N: in stretch films]
- B65D75/00E . [N: Standing pouches, i.e. "Standbeutel"]
- B65D75/02 . Articles partially enclosed in folded or wound strips or sheets, e.g. wrapped newspapers
- B65D75/04 . Articles or materials wholly enclosed in single sheets or wrapper blanks
- B65D75/06 . . in sheets or blanks initially folded to form tubes
- B65D75/08 . . . with the ends of the tube closed by folding
- B65D75/10 . . . with the ends of the tube closed by twisting
- B65D75/12 . . . with the ends of the tube closed by flattening and heat-sealing
- B65D75/14 . . in sheets or blanks folded-up around all sides of the contents from a portion on which the contents are placed
- B65D75/16 . . . the upstanding portion of the wrapper being closed by twisting
- B65D75/18 . . . the upstanding portion of the wrapper being closed by regular or irregular folds or pleats, e.g. bunch-wrapped packages
- B65D75/20 . . 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
- B65D75/22 . . . the sheet or blank being recessed to accommodate contents [N: (**containers**

- simulating a book [B65D77/00D](#)]
- [B65D75/22B](#) [N: the sheet or blank comprising more than one fold line ([B65D75/24B](#) takes precedence)] [N9706]
- [B65D75/24](#) and formed with several recesses to accommodate a series of articles or quantities of material
- [B65D75/24B](#) [N: the sheet or blank comprising more than one fold line] [N9706]
- [B65D75/26](#) . Articles or materials wholly enclosed in laminated sheets or wrapper blanks
- [B65D75/28](#) . Articles or materials wholly enclosed in composite wrappers, i.e. wrappers formed by associating or interconnecting two or more sheets or blanks
- [B65D75/30](#) . . 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
- [B65D75/30B](#) . . . [N: Skin packages]
- [B65D75/32](#) . . . one or both sheets or blanks being recessed to accommodate contents
- [B65D75/32B](#) [N: Both sheets being recessed] [N0711]
- [B65D75/32B1](#) [N: and forming one compartment] [N0711]
- [B65D75/32B3](#) [N: and forming several compartments] [N0711]
- [B65D75/32B3B](#) [N: the compartments being interconnected, e.g. by small channels] [N0711]
- [B65D75/32D](#) [N: one sheet being recessed, and the other being a flat not- rigid sheet, e.g. puncturable or peelable foil] [N0711]
- [B65D75/32D1](#) [N: and forming one compartment] [N0711]
- [B65D75/32D3](#) [N: and forming several compartments] [N0711]
- [B65D75/32D3B](#) [N: the compartments being interconnected, e.g. by small channels] [N0711]
- [B65D75/34](#) and having several recesses to accommodate a series of articles or quantities of material [N: (not used)] [C1110]
- [N: **WARNING** [N0809]
Group [B65D75/34](#) is no longer used for the classification of new documents. Documents of this group are in the process of being reclassified to groups [B65D75/32B3](#), [B65D75/32D3](#), [B65D75/32H](#) and subgroups]
- [B65D75/36](#) one sheet or blank being recessed and the other formed of relatively stiff flat sheet material, e.g. blister packages, [N: the recess or recesses being preformed ([B65D73/00D1B](#), [B65D73/00F1B](#) take precedence)]
- [B65D75/36F](#) [N: and forming one compartment] [N0711]
- [B65D75/36H](#) [N: and forming several compartments] [N0711]
- [B65D75/36H1](#) [N: the compartments being interconnected, e.g. by small channels] [N0711]
- [B65D75/38](#) . Articles or materials enclosed in two or more wrappers disposed one inside the other [N: (for shock absorbing purposes [B65D81/03](#); for thermal insulating purposes [B65D81/38L2](#))] [C9911]
- [B65D75/40](#) . 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

- B65D75/42 . . Chains of interconnected packages
- B65D75/44 . . Individual packages cut from webs or tubes
- B65D75/46 . . . containing articles
- B65D75/48 . . . containing liquids, semi-liquids, or pastes, e.g. cushion-shaped packages
- B65D75/50 Tetrahedral packages

- B65D75/52 . Details
- B65D75/52B . . [N: Inspection openings or windows]
- B65D75/52F . . [N: External rigid or semi-rigid supports]
- B65D75/52H . . [N: Tear-lines for separating a package into individual packages ([B65D1/30](#), [B65D21/02B4](#), [B65D75/34](#) take precedence)] [C0004]
- B65D75/54 . . Cards, coupons, or other inserts or accessories (opening devices [B65D75/70](#))
- B65D75/54B . . . [N: the inserts or accessories being located within a pouch or envelope attached to the exterior of the packages, e.g. shipping mailers (envelope construction [B65D27/00](#))]
- B65D75/56 . . . Handles or other suspension means
- B65D75/56A [N: Integral handles or suspension means ([B65D75/56C](#) takes precedence)] [N0902]
- B65D75/56C [N: Hand holes or suspension apertures] [N0902]
- B65D75/58 . . Opening or contents-removing devices added or incorporated during package manufacture [N: ([B65D75/36](#), [B65D85/10F2](#) take precedence)] [C9412]
- B65D75/58B . . . [N: for tearing a side strip parallel and next to the edge, e.g. by means of a line of weakness]
- B65D75/58B1 [N: and defining, after tearing, a small dispensing spout, a small orifice or the like]
- B65D75/58D . . . [N: for tearing a corner or other small portion next to the edge, e.g. a U-shaped portion]
- B65D75/58D1 [N: and defining, after tearing, a small dispensing spout, a small orifice or the like]
- B65D75/58E . . . [N: Tear-lines provided in a wall portion ([B65D75/58B](#), [B65D75/58D](#) take precedence)]
- B65D75/58E1 [N: for tearing out a portion of the wall]
- B65D75/58E1A [N: combined with separate fixed tearing means, e.g. tabs]
- B65D75/58E1B [N: the portion of the wall being a narrow strip, e.g. between lines of weakness ([B65D75/58E1A](#) takes precedence)]
- B65D75/58E2 [N: the tear-lines being broken by deformation or bending]
- B65D75/58F . . . [N: Peelable seals]
- B65D75/58G . . . [N: Spouts ([B65D75/58B1](#), [B65D75/58D1](#) take precedence)]
- B65D75/58G1 [N: Integral spouts]
- B65D75/58G3 [N: Non-integral spouts] [N0810]
- B65D75/58G3A [N: connected to a planar surface of the package wall] [N0810]
- B65D75/58G3C [N: connected to the package at the sealed junction of two package walls] [N0810]
- B65D75/58H . . . [N: Tear-lines for removing successive sections of a package (for separating package into individual packages [B65D75/52H](#))]
- B65D75/58J . . . [N: Preformed openings provided in a wall portion and covered by a separate removable flexible element]

- B65D75/66 Inserted or applied tearing-strings or like flexible elements
- B65D75/68 extending through wrapper closure or between wrapper layers
- B65D75/70 Rigid cutting or tearing devices

- B65D77/00 Packages formed by enclosing articles or materials in preformed containers, e.g. boxes, cartons, sacks, bags**

- B65D77/00B . [N: Articles enclosed in rigid or semi-rigid containers, the whole being wrapped]
- B65D77/00D . [N: Containers simulating a book (pencil cases [A45C11/34](#); books, book covers [B42D](#); albums, filing appliances, e.g. boxes, [B42F](#); for videos [G11B](#))]

- B65D77/02 . Wrapped articles enclosed in rigid or semi-rigid containers

- B65D77/04 . Articles or materials enclosed in two or more containers disposed one within another
- B65D77/04B . . [N: Rigid containers in preformed flexible containers]
- B65D77/04C . . [N: the inner and outer containers being rigid or semi-rigid and the outer container being of polygonal cross-section formed by folding or erecting one or more blanks, e.g. carton] [N9605] [C0104]
- B65D77/04C1 . . . [N: the inner container being of polygonal cross-section formed by folding or erecting one or more blanks, e.g. carton] [N9605]
- B65D77/04C2 . . . [N: the inner container being a bottle, canister or like hollow container] [N9605]
- B65D77/04C3 . . . [N: the inner container being a tray or like shallow container, not formed by folding or erecting one or more blanks ([B65D81/38G6](#) takes precedence)] [N9605] [C9911]
- B65D77/04C4 . . . [N: the inner container being a filled deformable tube] [N0104]
- B65D77/04D . . [N: the inner and outer containers being rigid or semi-rigid and the outer container being of polygonal cross-section not formed by folding or erecting one or more blanks ([B65D81/38C](#) takes precedence)] [N9605] [C0104]
- B65D77/04D1 . . . [N: the inner container having a polygonal cross-section] [N9605]
- B65D77/04D1A [N: and being a tray or like shallow container] [N9605]
- B65D77/04D1P [N: the containers being mounted on a pallet] [N0512]
- B65D77/04D4 . . . [N: the inner container being a filled deformable tube] [N0104]
- B65D77/04F . . [N: the inner and outer containers being rigid and the outer container being of curved cross-section, e.g. cylindrical ([B65D81/38C](#) takes precedence)] [N9605] [C9911]
- B65D77/04F1 . . . [N: the inner container being coaxially disposed within the outer container ([B65D81/38K](#) takes precedence)] [N9605] [C9911]
- B65D77/04F1A [N: and retained at a distance of the inner side-wall of the outer container, e.g. within a bottle neck] [N9605]

- B65D77/06 . . Liquids or semi-liquids [N: or other materials or articles] enclosed in flexible containers disposed within rigid containers [C9605]
- B65D77/06A . . . [N: the containers being mounted on a pallet]
- B65D77/06B . . . [N: Flexible containers disposed within polygonal containers formed by folding a carton blank]
- B65D77/06B1 [N: comprising discharging means formed by cutting a part, e.g. a corner, of the flexible container]
- B65D77/06B2 [N: Spouts, pouring necks or discharging tubes fixed to or integral with the flexible container]

- B65D77/06B2A [N: combined with a valve, a tap or a piercer]
- B65D77/06B3 [N: Spouts formed separately from the container]
- B65D77/08 Materials, e.g. different materials, enclosed in separate compartments formed during filling of a single container
- B65D77/10 Container closures formed after filling ([N: for sacks or bags [B65D33/16](#)]; closing filled containers in association with packaging [B65B7/00](#), [B65B51/00](#))
- B65D77/12 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
- B65D77/14 by flattening and subsequently folding or rolling the mouth portion
- B65D77/16 by collapsing and twisting mouth portion
- B65D77/18 and securing by a deformable clip or binder
- B65D77/18B [N: with means for discouraging or for indicating unauthorised opening or removal]
- B65D77/20 by applying separate lids or covers, [N: i.e. flexible membrane or foil-like covers]
- B65D77/20B [N: the cover being maintained on the container by mechanical means, e.g. crimping, clamping, riveting ([B65D77/20E](#) takes precedence)] [C1104]
- B65D77/20B1 [N: the container flange being crimped over the cover]
- B65D77/20B2 [N: the cover being crimped or folded over the container flange]
- B65D77/20B3 [N: the cover being maintained by projections or recesses on the container]
- B65D77/20B4 [N: the cover being connected to the container by separate circumferential ring elements]
- B65D77/20E [N: the cover being welded or adhered to the container] [N1104]
- B65D77/20E1 [N: Means for opening the cover other than, or in addition to, a pull tab] [N1104]
- B65D77/20E1B [N: by peeling or tearing the cover from the container] [N1104]
- B65D77/20E1B1 [N: the seal having a stress concentrating portion] [N1104]
- B65D77/20E1B2 [N: the cover having an unsealed portion for initiating removal ([B65D77/20E1B1](#) takes precedence)] [N1104]
- B65D77/20E1B3 [N: whereby a layer of the container or cover fails, e.g. cohesive failure ([B65D77/20E1B1](#) takes precedence)] [N1104]
- B65D77/20E1B3B {7 dots} [N: whereby part of the container or cover has been weakened, e.g. perforated or precut ([B65D77/20E1B1](#) takes precedence)] [N1104]
- B65D77/20E1B3B1 {8 dots} [N: the container being weakened] [N1104]
- B65D77/20E1B3B2 {8 dots} [N: the cover being weakened] [N1104]
- B65D77/20E1B3B2A {9 dots} [N: so as to uncover one or more preformed openings made through some layers of the cover] [N1104]
- B65D77/20E1B4 [N: the seal being locally weakened, e.g. by using a sealing inhibitor] [N1104]
- B65D77/20E2 [N: Means for reclosing the cover after its first opening] [N1104]
- B65D77/20E2B [N: Mechanical means] [N1104]
- B65D77/20E2B1 [N: provided by the cover itself] [N1104]
- B65D77/20E2B1B {7 dots} [N: the cover having a cap-like or plug-like shape] [N1104]
- B65D77/20E2B1D {7 dots} [N: the cover being maintained reclosed by a part folded

- over the container rim] [N1104]
- B65D77/20E2B2 [N: attached to the cover] [N1104]
- B65D77/20E2B2B {7 dots} [N: the means being a part initially broken from the container] [N1104]
- B65D77/20E2D [N: Adhesive means] [N1104]
- B65D77/22 . Details
- B65D77/22D . . [N: Pressure relief-valves incorporated in a container wall, e.g. valves comprising at least one elastic element]
- B65D77/24 . . Inserts or accessories added or incorporated during filling of containers (opening devices [B65D77/30](#))
- B65D77/24B . . . [N: Utensils for removing the contents from the package, e.g. spoons, forks, spatulas ([B65D77/28](#) takes precedence)] [N9411]
- B65D77/26 . . . Elements or devices for locating or protecting articles
- B65D77/28 . . . Cards, coupons, or drinking straws [N: ([B65D5/42E](#), [B65D23/14](#), [B65D25/20B](#), [B65D33/00E](#), [B65D51/24F](#), [B65D75/54](#) take precedence)] [C9502]
- B65D77/28C [N: located initially inside the container, whereby the straw is revealed only upon opening the container, e.g. pop-up straws] [N9703] [C9912]
- B65D77/28D [N: formed integrally with the container (containers having integrally formed tubes with contents expelled by deforming the container [B65D1/32D](#))] [N9912] [C0202]
- B65D77/30 . . Opening or contents-removing devices added or incorporated during filling or closing of containers [N: ([B65D77/20](#) takes precedence)]
- B65D77/32 . . . Tearing-strings or like flexible elements
- B65D77/34 enclosed in a mouth seal
- B65D77/36 disposed beneath a wrapper, label, or other element of sheet material securing a lid, cover, or container mouth
- B65D77/38 . . . Weakened closure seams
- B65D77/40 . . . Rigid cutting or tearing devices
- B65D79/00** **Kinds or details of packages, not otherwise provided for**
- B65D79/00B . [N: Containers or closures having deformable parts for indicating or neutralising internal pressure-variations]
- B65D79/02 . Arrangements or devices for indicating incorrect storage or transport ([N: [B65D79/00B](#) takes precedence]; measuring devices [G01](#))
- Guide heading:** **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**
- B65D81/00** **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**
- B65D81/02 . specially adapted to protect contents from mechanical damage [N: (containers of polygonal cross-section provided with internal protecting elements for contents [B65D5/50](#); devices to locate articles in containers [B65D25/10](#))] [C9507]

- B65D81/02A . . [N: Containers made of shock-absorbing material ([B65D81/03](#) takes precedence; for thermal insulating purposes [B65D81/38B](#))] [C9911]
- B65D81/02B . . [N: Containers made of sheet-like material and having a shape to accommodate contents]
- B65D81/02B1 . . . [N: double-walled (for thermal insulating purposes [B65D81/38B2](#), [B65D81/38C2](#))] [C9911]
- B65D81/03 . . Wrappers or envelopes with shock-absorbing properties, e.g. bubble films [N: (for thermal insulating purposes [B65D81/38L](#))] [C9911]
- B65D81/05 . . maintaining contents at spaced relation from package walls, or from other contents ([N: [B65D81/02A](#), [B65D81/02B](#),] [B65D81/03](#) take precedence)
- B65D81/05A . . . [N: using pillow-like elements filled with cushioning material, e.g. elastic foam, fabric]
- B65D81/05A1 [N: filled with fluid, e.g. inflatable elements]
- B65D81/05B [N: Corner, edge or end protectors] [C1109]
- B65D81/05B2 [N: Protectors contacting two generally perpendicular surfaces of the packaged article, e.g. edge protectors ([B65D81/05B3](#) takes precedence)] [N1110]
- B65D81/05B3 [N: Protectors contacting three surfaces of the packaged article, e.g. three-sided edge protectors ([B65D81/05B5](#) takes precedence)] [N1110]
- B65D81/05B3C [N: the surfaces being generally perpendicular to each other, e.g. three-sided corner protectors] [N1110]
- B65D81/05B4 [N: Protectors contacting four surfaces of the packaged article, e.g. four-sided corner protectors] [N1110]
- B65D81/05B5 [N: Protectors contacting five surfaces of the packaged article, e.g. five-sided end protectors] [N1110]
- B65D81/07 . . . using resilient suspension means [N: ([B65D81/05A](#) takes precedence)]
- B65D81/07A [N: the contents being located between two membranes stretched between opposed sides of the package] [N0012]
- B65D81/09 . . . using flowable discrete elements of shock-absorbing material, e.g. pellets, popcorn [N: ([B65D81/05A](#) takes precedence)]
- B65D81/107 . . . using blocks of shock-absorbing material
- B65D81/107A [N: deformable to accommodate contents]
- B65D81/113 of a shape specially adapted to accommodate contents [N: ([B65D81/05B](#) takes precedence)]
- B65D81/127 . . . using rigid or semi-rigid sheets of shock-absorbing material [N: ([B65D81/02B](#) takes precedence)]
- B65D81/127A [N: laminated or bonded to the inner wall of a container (for thermal insulating purposes [B65D81/38G4](#))] [C9911]
- B65D81/133 of a shape specially adapted to accommodate contents, e.g. trays [N: ([B65D81/05B](#) takes precedence; thermally insulated trays [B65D81/38B1](#), [B65D81/38C1](#))] [C9911]
- B65D81/18 . providing specific environment for contents, e.g. temperature above or below ambient (with thermal insulation [B65D81/38](#); ice-boxes with cooling means [F25D](#))
- B65D81/20 . . under vacuum or superatmospheric pressure, or in a special atmosphere, e.g. of inert gas [N: ([B65D81/28](#) takes precedence; containers with pressurising means for maintaining ball pressure [A63B39/02C](#))] [C9608]
- B65D81/20B . . . [N: under vacuum] [N9608]
- B65D81/20B1 [N: in an at least partially rigid container ([B65D81/20B3](#) takes precedence)]

- N9608]
- B65D81/20B2 [N: in a flexible container ([B65D81/20B3](#) takes precedence)] [N9608]
 - B65D81/20B2A [N: with one or several rigid inserts] [N9608]
 - B65D81/20B3 [N: with means for establishing or improving vacuum] [N9608]
 - B65D81/20D [N: under superatmospheric pressure ([B65D81/20F](#) takes precedence)] [N9608]
 - B65D81/20D1 [N: in an least partially rigid container] [N9608]
 - B65D81/20D2 [N: in a flexible container] [N9608]
 - B65D81/20F [N: in a special atmosphere] [N9608]
 - B65D81/20F1 [N: in an at least partially rigid container] [N9608]
 - B65D81/20F2 [N: in a flexible container] [N9608]
 - B65D81/20F2A [N: with one or several rigid inserts] [N9608]
 - B65D81/22 in moist conditions or immersed in liquids

 - B65D81/24 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 B65D81/38](#))

 - B65D81/24B [N: Internal membrane, floating cover or the like isolating the contents from the ambient atmosphere ([loosely-attached linings B65D25/16](#); [dispensing pistons B65D83/00A](#); [flexible bags for expelling the contents B65D83/00B](#))]

 - B65D81/26 with provision for draining away, or absorbing, [N: or removing by ventilation,] fluids, e.g. exuded by contents; [N: ([B65D33/01](#) takes precedence)]; Applications of corrosion inhibitors or desiccators
 - B65D81/26C [N: for draining or collecting liquids without absorbing them]
 - B65D81/26C1 [N: Rigid containers having false bottoms provided with passages for draining and receiving liquids]
 - B65D81/26D [N: for ventilating the contents ([B65D5/42V](#), [B65D51/16C](#) take precedence)]
 - B65D81/26E [N: for absorbing liquids]
 - B65D81/26E1 [N: the absorbent being placed beneath a false bottom]
 - B65D81/26F [N: for absorbing gases, e.g. oxygen absorbers or desiccants ([B65D51/24E](#), [B65D51/30](#) take precedence)]
 - B65D81/26F1 [N: the absorber being in sheet form]
 - B65D81/26F2 [N: the absorber being enclosed in a small pack, e.g. bag, included in the package]

 - B65D81/28 Applications of food preservatives, fungicides, pesticides, or animal repellents
 - B65D81/30 by excluding light or other outside radiation ([wrappers B65D65/16](#))

 - B65D81/32 for packaging two or more different materials which must be maintained separate prior to use in admixture ([containers with removable or destructible partitions B65D25/08](#); [N: closures combined with auxiliary containers [B65D51/28](#); in aerosol containers [B65D83/68B](#); amalgam capsules [A61C5/06C](#); containers for pharmaceutical purposes [A61J1/00M](#), [A61M5/19](#); medical syringes [A61M3/00M](#), resin cartridges for grouting anchoring-bolts in mines [E21D20/02D2](#)]) [M1109]

 - B65D81/32B [N: Separate rigid or semi-rigid containers joined to each other at their external surfaces ([B65D81/32L2](#) takes precedence)] [C9505]

 - B65D81/32B1 [N: coaxially and provided with means facilitating admixture]
 - B65D81/32C [N: Rigid containers disposed one within the other]
 - B65D81/32C1 [N: with additional means facilitating admixture]

- B65D81/32C3 . . . [N: arranged parallel or concentrically and permitting simultaneous dispensing of the two materials without prior mixing ([B65D81/32F](#) takes precedence)] [N9505]
- B65D81/32D . . [N: Flexible containers disposed within rigid containers]
- B65D81/32D1 . . . [N: with additional means facilitating admixture]
- B65D81/32D3 . . . [N: arranged parallel or concentrically and permitting simultaneous dispensing of the two materials without prior mixing ([B65D35/22](#), [B65D81/32F](#) take precedence)] [N9505]
- B65D81/32F . . [N: Containers having parallel or coaxial compartments, provided with a piston or a movable bottom for discharging contents]
- B65D81/32G . . [N: Containers provided with a piston or a movable bottom, and permitting admixture within the container]
- B65D81/32H . . [N: Flexible containers having several compartments]
- B65D81/32H1 . . . [N: separated by a common rupturable seal, a clip or other removable fastening device]
- B65D81/32H2 . . . [N: formed by arranging one flexible container within another]
- B65D81/32K . . [N: Ampoules]
- B65D81/32L . . [N: Cylindrical or polygonal containers, e.g. bottles, with two or more substantially axially offset, side-by-side compartments for simultaneous dispensing ([B65D35/22](#), [B65D35/24B](#), [B65D81/32C3](#), [B65D81/32F](#) take precedence)] [N9505]
- B65D81/32L2 . . . [N: composed of two or more separate containers joined to each other] [N9505]
- B65D81/32M . . [N: Thermoformed trays or the like with a plurality of recesses for different materials located in different recesses] [N9505]

- B65D81/34 . . for packaging foodstuffs [N: or other articles] intended to be cooked or heated within the package [C0211]
- B65D81/34A . . [N: specially adapted to be heated over a heat source, e.g. a hob, campfire] [N0211]
- B65D81/34B . . [N: specially adapted to be heated in hot water, e.g. boil pouches (dissolvable packages [B65D65/46](#); packaging articles or materials intended to be mixed or infused with a liquid [B65D81/00B](#))] [N0211]
- B65D81/34B1 . . . [N: Packages shrinking in hot water, e.g. for boiling hams] [N0211]
- B65D81/34C . . [N: specially adapted to be heated in a conventional oven, e.g. a gas or electric resistance oven] [N0211]
- B65D81/34D . . [N: specially adapted to be heated by steaming (au-bain-marie [L65D81/34H200C](#))] [N0211]
- B65D81/34M . . [N: specially adapted to be heated by micro-waves]
- B65D81/34M1 . . . [N: Rigid containers, e.g. trays, bottles, boxes, cups]
- B65D81/34M2 . . . [N: Flexible containers, e.g. bags, pouches, envelopes]
- B65D81/34M2P [N: Pop-corn bags] [N0004]
- B65D81/34R . . [N: Packages provided with an electrical circuit, e.g. resistances, for heating the contents (microwave susceptors [L65D81/34M700S](#))] [N0211]
- B65D81/34S . . [N: Packages having self-contained heating means, e.g. heating generated by the reaction of two chemicals (warming devices [A47J36/24](#))] [N0004]
- B65D81/34T . . [N: specially adapted to be heated in a toaster] [N0211]

- B65D81/36 . . adapted to be used for non-packaging purposes after removal of contents
- B65D81/36B . . [N: Modular elements with complementary shapes, interengageable parts or the like (toy building blocks [A63H33/04](#); building elements for walls [E04B2/02](#))]

- B65D81/36C . . [N: Containers forming or being transformable into items of wearing apparel, e.g. shirt, apron, hat] [N9707]
- B65D81/36D . . [N: Containers, or parts thereof, simulating or being incorporated into other items, e.g. puppet, animal, vehicle, building, dumb bells ([B65D81/36C](#), [B65D81/36F](#) take precedence)] [N9707]
- B65D81/36D2 . . . [N: the container closure only being provided with a three dimensional figure, e.g. chess piece, animal] [N9707]
- B65D81/36F . . [N: Foldable carton-boxes simulating, or transformable into, a special configuration, e.g. a car, a house, an animal (cartons with spaced apart images to give a 3-D effect [B65D5/42E3G](#); toy models made by folding paper [A63H33/16](#))] [C0008]

- B65D81/38 . with thermal insulation (vacuum bottles or the like [A47J41/00](#); [N: thermal insulation of domestic water storage heaters [F24H1/18B4](#)])
- B65D81/38A . . [N: rigid container in the form of a barrel or vat] [N9911]
- B65D81/38A1 . . . [N: formed of foam material] [N9911]
- B65D81/38A2 . . . [N: formed with double walls, i.e. hollow] [N9911]
- B65D81/38A3 . . . [N: provided with liquid material between double walls] [N9911]
- B65D81/38A4 . . . [N: formed of different materials, e.g. laminated or foam filling between walls] [N9911]
- B65D81/38B . . [N: rigid container being in the form of a box, tray or like container] [N9911]
- B65D81/38B1 . . . [N: formed of foam material] [N9911]
- B65D81/38B2 . . . [N: formed with double walls, i.e. hollow] [N9911]
- B65D81/38B3 . . . [N: provided with liquid material between double walls] [N9911]
- B65D81/38B4 . . . [N: formed of different materials, e.g. laminated or foam filling between walls] [N9911]
- B65D81/38C . . [N: rigid container being in the form of a box, tray or like container with one or more containers located inside the external container] [N9911]
- B65D81/38C1 . . . [N: the external tray being formed of foam material] [N9911]
- B65D81/38C2 . . . [N: the external tray being formed with double walls, i.e. hollow] [N9911]
- B65D81/38C3 . . . [N: the external tray being provided with liquid material between double walls] [N9911]
- B65D81/38C4 . . . [N: the external tray being formed of different materials, e.g. laminated or foam filling between walls] [N9911]
- B65D81/38F . . [N: rigid container in the form of a bottle, jar or like container] [N9911]
- B65D81/38F1 . . . [N: formed of foam material] [N9911]
- B65D81/38F2 . . . [N: formed with double walls, i.e. hollow] [N9911]
- B65D81/38F3 . . . [N: provided with liquid material between double walls] [N9911]
- B65D81/38F4 . . . [N: formed of different materials, e.g. laminated or foam filling between walls] [N9911]
- B65D81/38G . . [N: semi-rigid container folded up from one or more blanks] [N9911]
- B65D81/38G1 . . . [N: formed of foam material] [N9911]
- B65D81/38G2 . . . [N: formed with double walls, i.e. hollow] [N9911]
- B65D81/38G3 . . . [N: provided with liquid material between double walls] [N9911]
- B65D81/38G4 . . . [N: formed of different materials, e.g. laminated or foam filling between walls; for shock absorbing purposes [B65D81/127A](#)] [N9911]
- B65D81/38G5 . . . [N: formed of corrugated material] [N9911]
- B65D81/38G6 . . . [N: with a foam formed container located inside a folded box] [N9911]

- B65D81/38H . . [N: drinking cups or like containers] [N9911]
- B65D81/38H1 . . . [N: formed of foam material] [N9911]
- B65D81/38H2 . . . [N: formed with double walls, i.e. hollow] [N9911]
- B65D81/38H3 . . . [N: provided with liquid material between double walls] [N9911]
- B65D81/38H4 . . . [N: formed of different materials, e.g. laminated or foam filling between walls] [N9911]
- B65D81/38K . . [N: insulating sleeves or jackets for cans, bottles, barrels, etc.] [N9911]
- B65D81/38K1 . . . [N: formed of foam material] [N9911]
- B65D81/38K2 . . . [N: formed with double walls, i.e. hollow] [N9911]
- B65D81/38K3 . . . [N: provided with liquid material between double walls] [N9911]
- B65D81/38K4 . . . [N: formed of different materials, e.g. laminated or foam filling between walls] [N9911]
- B65D81/38L . . [N: wrappers or flexible containers, e.g. pouches, bags (for shock absorbing purposes [B65D81/03](#))] [N9911]
- B65D81/38L1 . . . [N: formed of foam material] [N9911]
- B65D81/38L2 . . . [N: formed with double walls, i.e. hollow] [N9911]
- B65D81/38L3 . . . [N: provided with liquid material between double walls] [N9911]
- B65D81/38L4 . . . [N: formed of different materials, e.g. laminated or foam filling between walls] [N9911]

B65D83/00

Containers or packages with special means for dispensing contents (dispensing means incorporated in removable or non-permanently secured container closures [B65D47/00](#); for shops, stores, offices, bars, or the like [A47F1/04](#); showcases or cabinets with dispensing arrangements [A47F3/02](#); [N: for surgical articles [A61B19/02P](#)]; magazines for screws or nuts in combination with spanners, wrenches or screw-drivers [B25B23/06](#); nail dispensers [B25C3/00](#); for use in connection with the handling of sheets, webs, or filamentary material [B65H](#); coin deliverers [G07D1/00](#); [N: coin-free apparatus for dispensing discrete articles [G07F11/00](#)]) [**M1109**]

[N: **WARNING** [N1205]

Groups [B65D83/75](#) to [B65D83/759](#) do not correspond to former or current IPC groups. Concordance ECLA : IPC for these groups is as follows: - [B65D83/75](#) to [B65D83/759](#) : [B65D83/14](#)

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- B65D83/00A . . [N: Containers or packages provided with a piston or with a movable bottom or partition having approximately the same section as the container ([B65D83/00B3](#) takes precedence)] [C9911]
- B65D83/00A1 . . . [N: moved by a screw-shaft]
- B65D83/00A1B . . . [N: the contents being forced out through the screw-shaft] [N9505]
- B65D83/00A2 . . . [N: moved by a reciprocable plunger]
- B65D83/00A3 . . . [N: piston co-operating with a screw-thread in the side wall of the container]
- B65D83/00A4 . . . [N: the piston being a follower-piston and the dispensing means comprising a hand-operated pressure-device at the opposite part of the container]
- B65D83/00A6 . . . [N: moved by a spring-like mechanism ([B65D83/00A8](#), [B65D83/08B1A](#), [B65D83/08D1A](#) take precedence)] [N9412]
- B65D83/00A7 . . . [N: the piston having a dispensing opening formed in the piston ([B65D83/00A1B](#) takes precedence)] [N9412] [C9505]
- B65D83/00A8 . . . [N: the piston or movable bottom being pulled upwards to dispense the contents]

N9412]

- B65D83/00B . [N: Containers or packages provided with a flexible bag or a deformable membrane or diaphragm for expelling the contents]
- B65D83/00B1 . . [N: the contents of a flexible bag being expelled by the contracting forces inherent in the bag or a sleeve fitting snugly around the bag]
- B65D83/00B2 . . [N: the contents of a flexible bag being expelled by twisting the bag]
- B65D83/00B3 . . [N: the contents of a flexible bag being expelled by a piston or a movable bottom or partition provided in the container or the package] [N9911]
- B65D83/00B6 . . [N: moves by a spring-like mechanism] [N9802]
- B65D83/00C . [N: Containers comprising an internal rotating wing for expelling the contents] [N9412]
- B65D83/00D . [N: Packages containing several articles intended to be suspended from a display rod, e.g. blisters, i.e. the package being used to facilitate suspending the articles from the rod]
- B65D83/00F . [N: Containers having an external wall formed as, or with, a diaphragm or the like which is deformed to expel the contents ([B65D1/32](#) takes precedence)] [N9802]
- B65D83/02 . for dispensing rod-shaped articles, e.g. needles ([N: packages for cigarettes provided with dispensing means [B65D85/10E](#)]; [cigar or cigarette receptacles or boxes A24F15/00](#); [N: dispensers for drinking straws [A47G21/18H](#)]) [C9612]
- B65D83/04 . for dispensing annular, disc-shaped, spherical, or like small articles, e.g. tablets, pills
- B65D83/04A . . [N: the dispensing means being adapted for delivering one article, or a single dose, upon each actuation ([B65D83/04C](#) takes precedence)]
- B65D83/04A1 . . . [N: the articles being substantially flat and stacked one upon the other and the dispensing-closing device sliding the article to be dispensed along the flat side of the next article]
- B65D83/04A2 . . . [N: the articles being dispensed by inverting the container each time, by which action movable parts may be displaced by their own weight]
- B65D83/04A3 . . . [N: the articles being dispensed by pinching action on a flexible tube]
- B65D83/04C . . [N: all the articles being stored in individual compartments]
- B65D83/04C1 . . . [N: the whole forming a circular container with rotating parts ([B65D83/04C2](#) takes precedence)]
- B65D83/04C2 . . . [N: formed in a band or a blisterweb, inserted in a dispensing device or container]
- B65D83/04C2B [N: the band being wound in flat spiral, folded in accordion or the like]
- B65D83/04D . . [N: the articles passing through a small opening or passage, without additional dispensing devices and without retaining means for the following article]
- B65D83/04F . . [N: the dispensing means forming a part of a removable closure, e.g. gripping teeth, cavity]
- B65D83/06 . for dispensing powdered or granular material ([N: [B65D83/04](#) takes precedence]; spraying or atomising apparatus in general [B05B](#))
- B65D83/08 . for dispensing thin flat articles in succession [N: ([towel dispensers intended for re-use A47K10/24](#))] [C9410]

[N: **Note**

- [B65D83/10](#) and [B65D83/12](#) take precedence over [B65D83/08B](#) to [B65D83/08H](#)]
- [B65D83/08B](#) . . [N: through an aperture in a wall]
 - [B65D83/08B1](#) . . . [N: with means for assisting dispensing]
 - [B65D83/08B1A](#) [N: the articles being automatically urged towards the dispensing aperture, e.g. spring-loaded ([B65D83/008B1B](#) takes precedence)] [N9410]
 - [B65D83/08B1B](#) [N: the articles being pushed and slid through the aperture] [N9410]
 - [B65D83/08B1B1](#) [N: by means of an actuator] [N9410]
 - [B65D83/08B1C](#) [N: the articles being pulled out of the container] [N9410]
 - [B65D83/08B1D](#) [N: and for cutting interconnected articles (cutting devices for dispensers intended for re-use [B65H35/00B6B](#))] [N9410]
 - [B65D83/08D](#) . . [N: through an aperture at the junction of two walls] [N9410]
 - [B65D83/08D1](#) . . . [N: with means for assisting dispensing] [N9410]
 - [B65D83/08D1A](#) [N: the articles being automatically urged towards the dispensing aperture, e.g. spring-loaded ([B65D83/08D1B](#) takes precedence)]
 - [B65D83/08D1B](#) [N: the articles being pushed and slid through the aperture] [N9410]
 - [B65D83/08D1B1](#) [N: by means of an actuator] [N9410]
 - [B65D83/08D1C](#) [N: the articles being pulled out of the container] [N9410]
 - [B65D83/08D1D](#) [N: and for cutting interconnected articles (cutting devices for dispensers intended for re-use [B65H35/00B6B](#))] [N9410]
 - [B65D83/08F](#) . . [N: with provision for used articles] [N9410]
 - [B65D83/08H](#) . . [N: the articles being positioned relative to one another or to the container in a special way, e.g. for facilitating dispensing, without additional support] [N9410]
 - [B65D83/10](#) . . for dispensing razor-blades
 - [B65D83/12](#) . . for dispensing tickets or tokens
 - [B65D83/14](#) . . for delivery of liquid or semi-liquid contents by internal gaseous pressure, i.e. aerosol containers [N: for a product delivered by a propellant (spraying devices for the destruction of noxious animals or plants [A01M7/00](#), for therapeutic purposes [A61M11/00](#); spraying or atomizing apparatus in general B05B; aerosol compositions, e.g. propellants [C09K3/30](#); pumping of fluid by direct contact of another fluid, e.g. siphons F04F; fluid-delivery valves in general [F16K21/00](#); discharge nozzles in general [F16K31/58](#); vessels for containing or storing compressed, liquefied, or solidified gases F17C)] [M1109]
 - [B65D83/16](#) . . characterised by the actuating means [N: (actuation occurring by moving the aerosol container relative to an outer shell [B65D83/38E2](#); involved in metering valve assemblies [B65D83/54C](#))] [M1109]
 - [B65D83/20](#) . . . [N: operated by manual action, e.g. button-type actuator or] actuator cap [N: (actuators formed as a rigid elongate spout [B65D83/30C](#))] [N1109]
 - [B65D83/20B](#) [N: Lever-operated actuators ([B65D83/20C2](#) takes precedence)] [N1109]
 - [B65D83/20B2](#) [N: combined with a hand grip (Hand-held or body-worn self-defense devices using aerosol containers [F41H9/10](#))] [N1109]
 - [B65D83/20B2B](#) [N: comprising an extension rod located between the aerosol container and the hand grip (setting-out line markings on playing courts [A63C19/06B](#); marking-out on finished paving by spraying from aerosol containers [E01C23/22E](#))] [N1109]
 - [B65D83/20C](#) [N: Actuator caps, or peripheral actuator skirts, attachable to the aerosol

		container] [N1109]
B65D83/20C2	. . . . .	[N: comprising a cantilevered actuator element, e.g. a lever pivoting about a living hinge] [N1109]
B65D83/20D	. . . . .	[N: Actuators comprising a manually operated valve and being attachable to the aerosol container, e.g. downstream a valve fitted to the container; Actuators associated to container valves with valve seats located outside the aerosol container (portable spraying apparatus comprising pressurised supply containers B05B7/24A , B05B9/08A ; manually actuated controlling means for spraying apparatus B05B12/00M ; actuators connected to the aerosol container by a flexible tube B65D83/756)] [N1109] [C1205]
B65D83/20E	. . . . .	[N: Pull cord operated actuators] [N1109]
B65D83/22	. . . . .	with means to disable actuation, [N: e.g. with actuator locking means that can be manually put in place again after use to prevent, e.g. unintended, actuation until next use] (B65D50/00 takes precedence; [N: preventing delivery when the container is incorrectly oriented B65D83/65]) [N1109] [M1208]
B65D83/22B	. . . . .	[N: Actuator locking means being automatically repeatedly displaced after each actuation] [N1109] [M1208]
B65D83/22D	. . . . .	[N: Tamper indicating means obstructing initial actuation, e.g. removable (container closure having to be perforated B65D83/38C ; tamper indicating means located in front of outlets B65D83/7538)] [N1109] [C1205]
B65D83/22D2	. . . . .	[N: preventing initial depression of the actuator] [N1109]
B65D83/22D4	. . . . .	[N: consisting of a rupturable connection between actuator element and actuator cap or skirt, e.g. tear strips or bridges] [N1109]
B65D83/24	. . . . .	with means to hold the valve open, [N: e.g. for continuous delivery] [N1109]
B65D83/26	. . . . .	operating automatically, e.g. periodically [N1109]
B65D83/26B	. . . . .	[N: by clockwork, motor, electric or magnetic means operating without repeated human input] [N1109]
B65D83/26C	. . . . .	[N: by fall or rise in pressure or temperature] [N1109]
B65D83/26D	. . . . .	[N: by a separate device actuated by repeated, e.g. human, input, e.g. by a moving wing of a door or window, a ringing doorbell, a flushing toilet] [N1109]
B65D83/28	. . . . .	Nozzles, nozzle fittings or accessories specially adapted therefor [N1109]
B65D83/28B	. . . . .	[N: for applying the contents, e.g. brushes, rollers, pads, spoons, razors, scrapers (closures with pads or like contents-applying means B65D47/42 ; brushes with integral pre-pressurised reservoirs A46B11/00C2 ; domestic cleaning implements with liquid-feeding devices A47L13/00)] [N1109]
B65D83/30	. . . . .	for guiding the flow of spray, [N: e.g. funnels, hoods] [N1109]
B65D83/30B	. . . . .	[N: using extension tubes located in or at the outlet duct of the nozzle assembly] [N1109]
B65D83/30C	. . . . .	[N: Actuators formed as a rigid elongate spout] [N1109]
B65D83/32	. . . . .	Dip-tubes [N1109]
B65D83/34	. . . . .	Cleaning or preventing clogging of the discharge passage [N1109]
B65D83/34B	. . . . .	[N: Anti-clogging means for outlets] [N1109]
B65D83/36	. . . . .	allowing operation in any orientation, [N: e.g. discharge in inverted position] [N1109]
B65D83/38	. . . . .	Details of container body (pressure relief devices B65D83/70) [N1109]
B65D83/38C	. . . . .	[N: with closures that must be perforated] [N1109]
B65D83/38E	. . . . .	[N: comprising an aerosol container disposed in an outer shell or in an external container] [N1109]

- B65D83/38E2 [N: actuation occurring by moving the aerosol container relative to the outer shell or external container] [N1109]
- B65D83/38F [N: with means for suspending the aerosol container] [N1109]
- B65D83/40 Closure caps (actuator caps [N: [B65D83/20C](#)]) [N1109] [C1204]
- B65D83/42 Filling or charging means [N: (Filling liquids into containers [B65B3/12](#); Adding propellants to aerosol containers [B65B31/00A](#))] [N1109]
- B65D83/42B [N: Delivery valves permitting filling or charging] [N1109]
- B65D83/44 Valves specially adapted therefor; Regulating devices (filling or charging means [B65D83/42](#); [N: pressure regulators releasing propellant inside the container [B65D83/66C](#)]; pressure relief devices [B65D83/70](#)) [N1109]
- B65D83/46 Tilt valves ([B65D83/50](#) takes precedence) [N1109]
- B65D83/48 Lift valves, e.g. operated by push action ([B65D83/50](#) takes precedence; [N: adapted for metering and for continuous delivery [B65D83/54B](#)]) [N1109]
- B65D83/50 Non-reclosable valves, [N: e.g. for complete delivery in a single dose] [N1109]
- B65D83/52 for metering [N1109]
- B65D83/52B [N: with means for adjusting the metered quantity] [N1109]
- B65D83/54 Metering valves; [N: Metering valve assemblies] [N1109]
- B65D83/54B [N: adapted for metering and for continuous delivery] [N1109]
- B65D83/54C [N: the metering occurring at least partially in the actuating means] [N1109]
- B65D83/56 [N: with means for preventing delivery when the container is incorrectly oriented, e.g.] shut-off when inverted [N: (for disabling actuation [B65D83/22](#))] [N1109]
- B65D83/60 Product and propellant separated [N: (portable fire extinguishers wherein extinguishing material and pressure gas are stored in separate containers [A62C13/66](#))] [N1109]
- B65D83/62 by membrane, bag, or the like [N: (containers in which the content is delivered by the contracting forces inherent in the bag [B65D83/00B1](#))] [N1109] [C1205]
- B65D83/62C [N: the propellant being generated by a chemical or electrochemical reaction (for pressure gas in portable fire extinguishers [A62C13/02](#))] [N1109]
- B65D83/64 by piston [N1109]
- B65D83/64C [N: the propellant being generated by a chemical or electrochemical reaction (for pressure gas in portable fire extinguishers [A62C13/02](#))] [N1109]
- B65D83/64D [N: the piston being provided with a dispensing opening through which the contents are dispensed (containers with such a dispensing piston, adapted for hand-held, manually operated spray apparatus [B05B11/00B5A4D](#), in general [B65D83/00A7](#))] [N1109]
- B65D83/66 first separated, but finally mixed, [N: e.g. in a dispensing head (mixing in general B01F)] [N1109]
- B65D83/66C [N: at least a portion of the propellant being separated from the product and incrementally released by means of a pressure regulator] [N1109]
- B65D83/66D [N: product and propellant being totally mixed on, or prior to, first use, e.g. by braking an ampoule containing one of those components ([B65D83/68B2](#) takes precedence; portable spraying apparatus comprising a container pressurized by a gas cartridge [B05B9/08A4](#))] [N1109] [C1205]
- B65D83/68 Dispensing two or more products, [N: e.g. sequential dispensing or simultaneous dispensing of two or more products without mixing them] [N1109]
- B65D83/68B [N: the products being first separated, but finally mixed, e.g. in a dispensing head (mixing in general B01F)] [N1109]
- B65D83/68B1 [N: with one product being located in a chamber within, or forming part of,

- the dispensing head, e.g. for admixture during dispensing] [N1109]
- B65D83/68B2 [N: the products being totally mixed on, or prior to, first use, e.g. by breaking an ampoule containing one of the products] [N1109]
- B65D83/70 . . Pressure relief devices [N1109]
- B65D83/72 . . with heating or cooling devices, [N: e.g. heat-exchangers] [N1109]
- B65D83/74 . . . heating by exothermic reaction [N1109]
- B65D83/75 . . [N: Aerosol containers not provided for in groups B65D83/16 to B65D83/74] [N1204]
- B65D83/752 . . . [N: characterised by the use of specific products or propellants] [N1204]
- B65D83/753 . . . [N: characterised by details or accessories associated with outlets] [N1204]
- B65D83/7532 [N: comprising alternative flow directions or replaceable or interchangeable outlets] [N1204]
- B65D83/7535 [N: Outlet valves opened by the product to be delivered (adapted for hand-held, manually operated spray apparatus B05B11/00B9)] [N1204]
- B65D83/7538 [N: Tamper indicating means located in front of outlets (tamper indicating means obstructing initial actuation B65D83/22D)] [N1204]
- B65D83/754 . . . [N: comprising filters in the fluid flow path (filters specially adapted for spraying plants or apparatus B05B15/00G)] [N1204] [M1207]
- B65D83/756 . . . [N: comprising connectors, e.g. for tyre valves, or actuators connected to the aerosol container by a flexible tube (auto-repairing or self-sealing arrangement for repairing plastic articles B29C73/16)] [N1204]
- B65D83/757 . . . [N: Tamper-indicating means (actuators with tamper-indicating means B65D83/22D; tamper indicating means located in front of outlets B65D83/7538)] [N1204]
- B65D83/7575 [N: Separate tamper-elements] [N1204]
- B65D83/759 . . . [N: Aerosol containers connected to or located in toilet-bowls or cisterns] [N1204]

B65D85/00

Containers, packaging elements or packages specially adapted for particular articles or materials ([B65D71/00](#), [B65D83/00](#) take precedence; hand implements, travelling equipment [A45C](#); cosmetic or toilet equipment [A45D](#); [N: for surgical instruments or appliances [A61B19/02P](#)]; containers specially adapted for medical or pharmaceutical purposes [A61J1/00](#); paint cans [B44D3/12](#); oil cans [F16N3/04](#); containers for carrying smallarms [F41C33/06](#); packaging of ammunition or explosive charges [F42B39/00](#); containers for record carriers, specially adapted for co-operation with the recording or reproducing apparatus [G11B23/00](#))

Note

Attention is drawn to Note (4) following the title of this subclass

- B65D85/02 . for annular articles (for web or tape-like material wound in flat spiral form [B65D85/671](#))
- B65D85/04 . . for coils of wire, rope, or hose
- B65D85/06 . . for tyres
- B65D85/08 . for compressible or flexible rod-shaped or tubular articles [N: (collapsible tubes per se [B65D35/00](#))] [C9811]
- B65D85/10 . . for cigarettes
- B65D85/10E . . . [N: provided with proffering means ([B65D85/10G4A](#) takes precedence)] [N9412]
- B65D85/10F . . . [N: Container formed by a flexible material, i.e. soft-packages] [N9412]

- B65D85/10F2 [N: Opening devices] [N9412]
- B65D85/10G [N: Containers formed by erecting a rigid or semi-rigid blank] [N9412]
- B65D85/10G4 [N: having a cap-like lid hinged to an edge, i.e. flip-top type] [N9412]
- B65D85/10G4A [N: combined with an outer sleeve connected to the lid] [N9412]
- B65D85/10G6 [N: so as to form two cigarette-compartments interconnected by a hinge-portion] [N9412]
- B65D85/10H [N: Bundle of cigarette packs] [N9412]
- B65D85/10K [N: Inserts or accessories added or joined to the container, e.g. coins, pens, cards, spacers ([B65D85/10E](#) takes precedence)] [N9412]
- B65D85/10K2 [N: Lighting means, e.g. matches, lighters] [N9412]
- B65D85/12 . . . for cigars
- B65D85/14 . . . for collapsible [N: empty] tubes, [N: i.e. pliable tubular containers adapted to be permanently or temporarily deformed to expel contents] [C0104]

- B65D85/16 . . . for compressible or flexible articles of other shapes ([for wearing apparel B65D85/18](#))

- B65D85/18 . . . for wearing apparel, i.e. clothes, headgear, shoes
- B65D85/18B . . . [N: Shirt packaging and display supports]
- B65D85/18C . . . [N: Containers for shipping garments on hangers ([travelling or trunk wardrobes A47B61/06](#))]
- B65D85/18S . . . [N: for footwear] [N9708]

- B65D85/20 . . . for incompressible or rigid rod-shaped or tubular articles
- B65D85/22 . . . for macaroni, spaghetti, or like flour products
- B65D85/24 . . . for needles, nails, or other like elongated small articles
- B65D85/26 . . . for welding electrodes
- B65D85/28 . . . for pencils or pens ([pencil boxes A45C11/34](#))

- B65D85/30 . . . for articles particularly sensitive to damage by shock or pressure
- B65D85/30B . . . [N: for carboys]
- B65D85/30C . . . [N: Bottle-crates ([formed in one piece B65D1/24B](#))] [C9609]
- B65D85/30D . . . [N: Local shock-absorbing elements, e.g. elastic rings]
- B65D85/32 . . . for eggs
- B65D85/32B [N: Trays made of pressed carton and provided with recesses]
- B65D85/32C [N: Trays made of pressed material, e.g. paper pulp]
- B65D85/32D [N: Containers with compartments made of pressed material]
- B65D85/32E [N: Containers with compartments formed by erecting one blank]
- B65D85/32F [N: Containers with compartments formed by folding and inter-connecting of two or more blanks]
- B65D85/32F1 [N: Partitions]
- B65D85/34 . . . for fruit, e.g. apples, oranges, tomatoes
- B65D85/34B [N: having a meshed or apertured closure to allow contents to breathe]
- B65D85/36 . . . for biscuits or other bakery products
- B65D85/38 . . . for optical or other delicate measuring, calculating, or control apparatus
- B65D85/40 for watches or clocks or components thereof

- B65D85/42 . . for ampoules; for lamp bulbs; for electronic valves or tubes
- B65D85/44 . . for crockery
- B65D85/46 . . for bricks, tiles, or building blocks
- B65D85/48 . . for glass sheets

- B65D85/50 . 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 A01K63/02](#))
- B65D85/50B . . [N: for cut flowers]
- B65D85/52 . . for living plants; for growing bulbs

- B65D85/54 . [N: IPC2] for articles of special shape not otherwise provided for
- B65D85/54B . . [N: for tetrahedral packages]
- B65D85/54C . . [N: for gramophone records]
- B65D85/54C1 . . . [N: formed by folding a single blank]
- B65D85/54C2 . . . [N: formed by folding or interconnecting of two or more blanks]

- B65D85/58 . for ball bearings, washers, buttons, or like spherical or disc-shaped articles ([cards for buttons, collar-studs, sleeve-links A44B7/00](#))

- B65D85/60 . for sweets or like confectionery products

- B65D85/62 . for stacks of articles; for special arrangements of groups of articles

- B65D85/64 . for bulky articles

- B65D85/66 . for jumbo rolls; for rolls of floor covering

- B65D85/67 . for other web or tape-like material [N: (with means for dispensing [B65D83/08](#))] [C9410]
- B65D85/671 . . wound in flat spiral form
- B65D85/672 . . . on cores
- B65D85/675 . . wound in helical form
- B65D85/676 . . . on cores
- B65D85/677 on flat cards

- B65D85/68 . for machines, engines, or vehicles in assembled or dismantled form

- B65D85/70 . [N: IPC2] for materials not otherwise provided for
- B65D85/72 . . for edible or potable liquids, semi-liquids, or plastic or pasty materials
- B65D85/73 . . . with means specially adapted for effervescing the liquids, e.g. for forming bubbles or beer head [N0603]
- B65D85/74 . . . for butter, margarine, or lard
- B65D85/76 . . . for cheese
- B65D85/78 . . . for ice-cream
- B65D85/80 . . . for milk
- B65D85/804 . . Disposable containers or packages with contents which are [N: mixed,] infused or dissolved in situ [N: i.e. without having been previously removed from the package]

(B65D65/46 takes precedence; tea infusers A47G19/16; spoons or stirrers comprising beverage additives A47G21/04D)] [N0603]

- B65D85/804B . . . [N: Packages adapted to allow liquid to pass through the contents (B65D85/808 takes precedence; coffee filters not used as packages A47J31/00)] [N0603]
- B65D85/804B1 [N: Pods, i.e. closed containers made only of filter paper or similar material] [N0809]
- B65D85/808 . . . for immersion in the liquid [N: to release part or all of their contents], e.g. tea bags [N0603]
- B65D85/808B [N: characterised by an outer package, e.g. wrappers or boxes for enclosing tea-bags] [N0603]
- B65D85/812 with features facilitating their [N: manipulation or] suspension [N: (B65D85/808B takes precedence)] [N0603]
- B65D85/816 . . . into which liquid is added [N: and the resulting preparation is retained], e.g. cups preloaded with powder or dehydrated food [N0603]
- B65D85/82 . . for poisons
- B65D85/84 . . for corrosive chemicals

Note

Attention is drawn to Note (11) following the Subclass Index

B65D88/00

Large containers (component parts, details or accessories [B65D90/00](#); construction or assembling of bulk storage containers employing civil engineering techniques in situ or off the site [E04H7/00](#); gas holders of variable capacity [F17B](#); vessels for containing or storing compressed, liquefied or solidified gases [F17C](#))

- B65D88/00A . [N: of variable capacity, e.g. with movable or adjustable walls or wall parts, modular] [N0202] [C0607]
- B65D88/02 . rigid (B65D88/34 to B65D88/78 take precedence; hoppers B65D88/26; [N: special vessels for collecting or storing rain-water for use in the household E03B3/03; cesspools E03F11/00]) [C0607]
- B65D88/02B . . [N: in multiple arrangement, e.g. stackable, nestable, connected or joined together side-by-side] [C0607]
- B65D88/02B1 . . . [N: Nestable containers or nestable container parts forming a receptacle when one part is inverted upon the other] [N0607]
- B65D88/02B5 . . . [N: single containers connected to each other by additional means so as to form a cluster of containers, e.g. a battery of containers (B65D88/00A takes precedence)] [N0607]
- B65D88/04 . . spherical ([B65D88/12](#) takes precedence)
- B65D88/06 . . cylindrical ([B65D88/12](#) takes precedence)
- B65D88/08 . . . with a vertical axis
- B65D88/10 . . parallelepipedic ([B65D88/12](#) takes precedence)
- B65D88/12 . . specially adapted for transport (associated with vehicles, see the relevant subclasses of [B60](#) to [B64](#))
- B65D88/12A . . . [N: ISO containers] [N0202]
- B65D88/12B . . . [N: with access from above] [C0108]
- B65D88/12B1 [N: open top] [N0108]
- B65D88/12B3 [N: closable top] [N0108]
- B65D88/12B3A [N: by flexible element, e.g. canvas] [N0108]

- B65D88/12B3C [N: by rigid element, e.g. lid] [N0108]
- B65D88/12C [N: open-sided container, i.e. having substantially the whole side free to provide access, with or without closures ([B65D88/12F](#), [B65D90/00F](#) take precedence)] [N0502]
- B65D88/12D [N: tank containers, i.e. containers provided with supporting devices for handling]
- B65D88/12F [N: Transporter frames for containers]
- B65D88/14 by air

- B65D88/16 flexible ([B65D88/34](#) to [B65D88/78](#) take precedence; hoppers [B65D88/26](#))
- B65D88/16A [N: double-walled or with linings ([B65D88/16F](#) takes precedence; linings for container walls in general [B65D90/04](#))] [C0007]
- B65D88/16F [N: Flexible intermediate bulk containers (FIBC)] [N0007]
- B65D88/16F2 [N: double-walled or with linings] [N0007]
- B65D88/16F2A [N: with stiffening rigid means between the walls] [N0007]
- B65D88/16F4 [N: with shape keeping flexible elements] [N0007]
- B65D88/16F4A [N: cables or straps from top to bottom] [N0007]
- B65D88/16F6 [N: with multiple compartments] [N0007]
- B65D88/16F8 [N: with electrically conductive properties] [N0007]
- B65D88/16F10 [N: for liquids] [N0007]
- B65D88/16F12 [N: surrounded by a net] [N0007]
- B65D88/16F14 [N: closures for top or bottom openings] [N0007]
- B65D88/16F16 [N: Lifting fittings] [N0601]
- B65D88/16F16B [N: Flexible, e.g. loops, or reinforcements therefor] [N0612]
- B65D88/16F16B1 [N: specially adapted for the forks of a forklift] [N0612]
- B65D88/16F16D [N: Rigid ([B65D90/20C](#) takes precedence)] [N0612]
- B65D88/18 bellows-shaped ([B65D88/22](#) takes precedence; connection of valves to inflatable elastic bodies [B60C29/00](#)) [C9610]
- B65D88/20 with rigid end-walls ([B65D88/18](#), [B65D88/22](#) take precedence)
- B65D88/22 specially adapted for transport (associated with vehicles, see the relevant subclasses of [B60](#) to [B64](#))
- B65D88/24 by air

- B65D88/26 Hoppers, i.e. containers having funnel-shaped discharge sections ([B65D88/34](#) to [B65D88/78](#) take precedence)
- B65D88/28 Construction or shape of discharge section
- B65D88/30 specially adapted to facilitate transportation from one utilisation site to another (collapsible hoppers [B65D88/52](#))
- B65D88/32 in multiple arrangement

- B65D88/34 having floating covers, e.g. floating roofs or blankets (venting means [B65D90/34](#))
- B65D88/36 with relatively movable sections
- B65D88/38 with surface water receiver, e.g. drain
- B65D88/40 with support for aground cover
- B65D88/42 with sealing means between cover rim and receptacle
- B65D88/44 with magnetic means acting on the seal

- B65D88/46 . . . with mechanical means acting on the seal
- B65D88/48 . . . with fluid means acting on the seal
- B65D88/50 . . . with resilient foam or stuffed seal

- B65D88/52 . collapsible, i.e. with walls hinged together or detachably connected
- B65D88/52A . . [N: all side walls hingedly connected to each other or to another component of the container] [N0202]
- B65D88/52A2 . . . [N: and one or more side walls being foldable along an additional median line][N0303][C0404]
- B65D88/52C . . [N: with detachable side walls] [N0202] [C0303]
- B65D88/52C1 . . . [N: all side walls detached from each other to collapse the container] [N0202] [C0303]

- B65D88/54 . characterised by means facilitating filling or emptying ([N: filling or emptying features for flexible large containers [B65B69/00F](#)]; construction or shape of discharge section of hoppers [B65D88/28](#); gates or closures [B65D90/54](#); filling or emptying bunkers, hoppers, or like containers [B65G65/30](#)) [C0007]
- B65D88/54A . . [N: Ramps forming part of the container (ramps per se [B65G69/28](#); for ambulances [A61G3/06A](#); for vehicles in general [B60P1/43](#))] [N0506]
- B65D88/54B . . [N: for filling from below]
- B65D88/54C . . [N: Devices for loading or unloading and forming part of the container, e.g. rollers, conveyors (loading or unloading vehicles [B65G67/20](#))] [N1108]
- B65D88/54D . . [N: by pneumatic means ([B65D88/72](#) takes precedence)]
- B65D88/56 . . by tilting
- B65D88/58 . . by displacement of walls
- B65D88/60 . . . of internal walls
- B65D88/62 the walls being deformable
- B65D88/64 . . preventing bridge formation
- B65D88/66 . . . using vibrating or knocking devices
- B65D88/66R [N: using a resonator, e.g. supersonic generator]
- B65D88/68 . . . using rotating devices
- B65D88/70 . . . using fluid jets ([B65D88/72](#) takes precedence)
- B65D88/70B [N: Air blowing devices, i.e. devices for the sudden introduction of compressed air into the container] [N1108]
- B65D88/70C [N: Aerating means, e.g. one-way check valves] [N1108]
- B65D88/72 . . Fluidising devices

- B65D88/74 . having means for heating, cooling, aerating or other conditioning of contents
- B65D88/74B . . [N: aerating by ambient air through openings in the wall]
- B65D88/74D . . [N: using ventilating sheaths]
- B65D88/74F . . [N: heating or cooling through the walls or internal parts of the container, e.g. circulation of fluid inside the walls] [N1108]
- B65D88/74H . . [N: blowing or injecting heating, cooling or other conditioning fluid inside the container] [N1108]
- B65D88/74J . . [N: dehumidifying, dewatering or draining] [N1108]
- B65D88/74T . . [N: for tank containers] [N9609]

- B65D88/76 . for use underground (manholes, inspection openings, covers therefor [B65D90/10A](#);

[N: special vessels for collecting or storing rain-water for use in the household E03B3/03; cesspools E03F11/00]) [C0607]

- B65D88/78 . for use in or under water (manholes, inspection openings, covers therefor [B65D90/10](#))

- B65D90/00** **Component parts, details or accessories for large containers ([B65D88/34](#) to [B65D88/78](#) take precedence)**

- B65D90/00B . [N: Coupling devices between containers, e.g. ISO-containers (coupling devices between containers and vehicles [B60P7/13](#))]
- B65D90/00B2 . . [N: Twist lock]
- B65D90/00B2A . . . [N: Apparatus for manual or automatic installation/removal of twist-lock] [N0707]

- B65D90/00C . [N: Corner fittings characterised by shape, configuration or number of openings] [N0404]

- B65D90/00D . [N: Lifting means forming part of the container ([B65D90/00B](#), [B65D90/00C](#) take precedence; Loading or unloading container on or from a truck [B60P1/64C](#); lifting the container using a crane [B66C1/66B](#))] [N0506]

- B65D90/00E . [N: Contents retaining means] [N0202] [C0204]
- B65D90/00E2 . . [N: fixed on the top of the container (B65D90/00E10, B65D90/00E12 take precedence)] [N1204]
- B65D90/00E4 . . [N: fixed on the side wall of the container (B65D90/00E10, B65D90/00E12 take precedence)] [N1204]
- B65D90/00E6 . . [N: fixed on the floor of the container (B65D90/00E10, B65D90/00E12 take precedence)] [N1204]
- B65D90/00E10 . . [N: Partition walls] [N1204]
- B65D90/00E12 . . [N: Storage racks] [N1204]

- B65D90/00F . [N: Doors for containers, e.g. ISO-containers (locking [E05B65/16](#))]
- B65D90/00F3 . . [N: rotating or wound around a horizontal axis] [N0809]

- B65D90/00G . [N: Devices for cleaning the internal surfaces of the container and forming part of the container (cleaning of containers in general [B08B9/08](#))] [N1108]

- B65D90/02 . Wall construction [C0506]
- B65D90/02A . . [N: Flexible side walls or doors ([B65D88/12B3A](#) takes precedence)] [N0506]
- B65D90/02B . . [N: Laminated structures ([B65D90/02J](#), [B65D90/50D](#), [B65D90/50F](#) take precedence)]
- B65D90/02D . . [N: Modular panels]
- B65D90/02D2 . . . [N: with features of cylindrical curvature]
- B65D90/02D4 . . . [N: with features of spheroidal curvature]
- B65D90/02D6 . . . [N: Parallel slats]
- B65D90/02F . . [N: Corrugated or zig-zag structures; Folded plate]
- B65D90/02H . . [N: hollow-walled, e.g. double-walled with spacers ([B65D90/50B](#) takes precedence; linings [B65D90/04](#))]
- B65D90/02J . . [N: Wound structures]

- B65D90/04 . . Linings [N: (for flexible containers [B65D88/16A](#))] [C9410]
- B65D90/04B . . . [N: Rigid liners fixed to the container] [N9410] [C0107]
- B65D90/04B2 [N: fixed pointwise or linewise] [N9410]
- B65D90/04B2B [N: the liners being in the form of tiles or panels] [N9410]
- B65D90/04B4 [N: fixed or supported over substantially the whole interface] [N9410]
- B65D90/04B4B [N: the liners being in the form of tiles or panels] [N9410]
- B65D90/04D . . . [N: Flexible liners, e.g. loosely positioned in the container] [N9410] [C0107]
- B65D90/04D2 [N: comprising rigid bracing, e.g. bulkheads] [N9410]
- B65D90/04D4 [N: comprising bracing straps] [N9410]
- B65D90/06 . . Coverings, e.g. for insulating purposes
- B65D90/08 . . Interconnections of wall parts; Sealing means therefor

- B65D90/10 . Manholes; Inspection openings; Covers therefor (safety features [B65D90/22](#); covers or similar closure members, for pressure vessels in general [F16J13/00](#))
- B65D90/10A . . [N: for underground containers]

- B65D90/12 . Supports
- B65D90/12A . . [N: Docking stations, i.e. for the temporary support of the container] [N0607]
- B65D90/14 . . Legs, e.g. detachable
- B65D90/14A . . . [N: Detachable individual legs]
- B65D90/14B . . . [N: Detachable combined legs]
- B65D90/16 . . Skids
- B65D90/18 . . Castors, rolls, or the like; e.g. detachable (castors in general [B60B](#))
- B65D90/20 . . Frames or nets, e.g. for flexible containers
- B65D90/20C . . . [N: for flexible containers, i.e. the flexible container being permanently connected to the frame ([B65D77/06A](#), [B65D88/16F](#), [B65D90/04D](#) take precedence; unpacking of Flexible Intermediate Bulk Container (FIBC) [B65B69/00F](#); crane hooks for frames for FIBC [B66C1/22F](#))] [N0502]

- B65D90/22 . Safety features (floating covers [B65D88/34](#); arrangements of indicating or measuring devices [B65D90/48](#); fire-fighting [A62C](#))
- B65D90/24 . . Spillage-retaining means, e.g. recovery ponds
- B65D90/26 . . Overfill prevention (spillage retaining means [B65D90/24](#); arrangements of indicating or measuring devices [B65D90/48](#))
- B65D90/28 . . Means for preventing or minimising the escape of vapours
- B65D90/30 . . Recovery of escaped vapours
- B65D90/32 . . Arrangements for preventing, or minimising the effect of, excessive or insufficient pressure (valves per se [F16K](#))
- B65D90/32A . . . [N: due to explosion, e.g. inside the container (safely destroying explosive ammunition or similar [F42B39/14](#); in buildings [E04B1/98](#))] [N0506]
- B65D90/34 . . . Venting means (vehicle fuel tanks characterised by venting means [B60K15/035](#)) [C9610]
- B65D90/36 . . . Weakened parts
- B65D90/38 . . Means for reducing the vapour space or for reducing the formation of vapour within containers
- B65D90/40 . . . by use of fillings of porous materials

- B65D90/42 . . . by use of particular materials for covering surface of liquids
- B65D90/44 . . . by use of inert gas for filling space above liquid or between contents
- B65D90/46 . . Arrangements for carrying off, or preventing the formation of electrostatic charges (carrying-off, or preventing the formation of electrostatic charges in general [H05F](#))

- B65D90/48 . Arrangements of indicating or measuring devices
- B65D90/50 . . of leakage-indicating devices (investigating fluid-tightness of structures [G01M3/00](#)) [[C9610](#)]
- B65D90/50B . . . [N: comprising hollow spaces within walls]
- B65D90/50B2 [N: under pressure or vacuum]
- B65D90/50D . . . [N: comprising porous spaces or layers in walls]
- B65D90/50D2 [N: under pressure or vacuum]
- B65D90/50F . . . [N: comprising electrically conductive layers in walls]

- B65D90/52 . Anti-slosh devices (vehicle fuel tanks with means modifying or controlling distribution or motion of fuel, e.g. to prevent noise, surge, splash or fuel starvation [B60K15/077](#)) [[C9610](#)]

- B65D90/54 . Gates or closures (for manholes [B65D90/10](#); covers or similar closure members, for pressure vessels in general [F16J13/00](#); valves per se [F16K](#); [N: doors for containers [B65D90/00F](#)])
- B65D90/54A . . [N: Discharge end caps] [[N0502](#)]
- B65D90/56 . . operating by deformation of flexible walls [N: [B65D90/58](#) takes precedence] [[C0105](#)]
- B65D90/58 . . having closure members sliding in the plane of the opening
- B65D90/58A . . . [N: having a rotational motion] [[N0105](#)]
- B65D90/58A2 [N: around an axis perpendicular to the valve port] [[N0506](#)]
- B65D90/58C . . . [N: having a linear motion] [[N0105](#)]
- B65D90/60 . . . and having one or more openings
- B65D90/62 . . having closure members movable out of the plane of the opening
- B65D90/62A . . . [N: having a rotational motion] [[N0105](#)]
- B65D90/62C . . . [N: having a linear motion] [[N0105](#)]
- B65D90/64 . . having multipart closure members, the parts being brought into closing position one by one according to need
- B65D90/66 . . Operating devices therefor