International Fibreboard Casecode

This code which is prepared in collaboration with ESBO (The European Solid Board Organisation), contains a methodical presentation of all existing box design styles, a code number being assigned to each design. As a reference document, the code is used world-wide and it has been adopted by the United Nations.

Symbols used in drawings and computer systems.

Drawing symbol	Computer code	Description				
Cuts, scores, slits etc.						
	CL	contours of erected cases or cutting lines of case blanks				
	SC slotted cuts					
	CI	crease lines (inward bend)				
	СО	crease lines (outward bend)				
	SI slit-score lines (inward bend)					
	SO	slit-score lines(outwardbend)				
=============	DS	double-score lines				
	PL	perforation lines				
\sim	SE	soft edge cutting lines				
~~~~~	ТР	tear perforation				
Manufacturer's joint	Manufacturer's joint					
	SJ	Stitched joint				
<u> </u>	TJ	Taped joint				
	GJ	Glued joint				
Openings	Openings					
0	PC	handholds stripped				
	UC	handholds non-stripped				
	NC	handholds non-stripped				
Flute direction						
	FD	Flute direction indicator				

#### **Case dimensions**

Unless otherwise specified all dimensions are expressed as internal dimensions in mm as follows:

Length (L) x Breadth (B) x Height (H) Length (L) the longer dimension at the opening Breadth (B) = the shorter dimension at the opening Height (H) -the dimension from the top of the opening to the base

The dimensions L B. H are specified in each description of the case construction, for some models the numerical value of B can exceed the numerical value of L. Dimensions should be measured under standard climate conditions, on the flat blank from the centre of crease bearing the thickness of the material in mind.

For telescope type boxes the height (h) of the upper part (lid) should be given as a fourth measurement after an oblique stroke, i.e.

355 x 205 x 120/40 mm (L) (B) (H) (h)

For cases with overlapping outer flaps the length of the area of overlapping (o) should be given as a fourth measurement after an oblique stroke. i.e.

355 x 205 x 120/ 40 mm (L) (B) (H) (o)

#### Sheet dimensions

Unless otherwise specified, the dimensions of a corrugated sheet are expressed in mm as follows:

1st dimension x 2nd dimension

1st dimension=along the glue lines

2nd dimension =across the glue lines

#### Style versions

Several case types may have derived versions without the necessity to create a new style. In this case a suffix should be added to the basic style number separated by a dash. Example 0201-2.

Aversion maybe unique to individual manufacturers.

#### Combination of types

The construction styles shown are of the basic types of fibreboard cases. If the ultimate construction is a combination of two or three basic models. e.g. flap arrangements, they may also be described as follows: Top flaps as 0204, Bottom flaps as 0215

This type may also be described as 0204/0215 (Top flaps. Bottom flaps).



#### Styles and the manufacturers joint

The drawing style layouts as shown in this Code may need to be re-arranged depending on the Manufacturers Joint chosen. Some styles may have a Manufacturers Joint which maybe glued, stitched or taped. A glued or stitched Joint may be an extension of either the short or the long panel. The sketches show how these would be indicated on a drawing:

Example for all styles:





Glued or stitched joint

This applies to all designs in this Code.

#### Manual of Automated erection

Each design style includes one of the following indications

M - usually manual erection A - usually automated erection M/A - can be either manual or automated M+A - requires a combination of both

These indications are based on current practice and are intented to give additional information to specifiers and users Some manually erected cases can be closed automatically (e.g : 0216 or 0712)

## **Closure of boxes**

Correct and effective closure of the packages is as important as the packaging construction itself.

The following methods of closure are possible either singly or in combination:

- by gluing, cold or hot
- by taping
- by interlocking
- by stiching

**Closure by taping** This can be done according to the example shown



#### Closure by stiching

This can be done according to the example shown



L

#### **General Remarks**

Please note that several case designs contained in the Code under a specific number could also be classified under other basic type groups.

FULL CODE XXXX-XXXX		
STYLE STYLE VERSION		
XXXX	-XXXX	
The standard recognised shape/design from this code	The version number to differentiate the variation from the standard design (corresponding to an individual drawing or CAD/CAM library).	

#### Commercial rolls and sheets.

**Description : 0100** Montage :



Description : 0110 Montage :



**Slotted-type boxes** consist of basically one piece with a glued, stitched or taped manufacturers joint and top and bottom flaps. They are shipped flat, ready to use and require closing using the flaps provided.







**Description : 0201** Montage : M/A

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1/28			



**Description : 0202** Montage : M/A





**Slotted-type boxes** consist of basically one piece with a glued, stitched or taped manufacturers joint and top and bottom flaps. They are shipped flat, ready to use and require closing using the flaps provided.

**Description : 0203** 

Montage : M/A



Description : 0204 Montage : M/A





Montage : M/A









**Slotted-type boxes** consist of basically one piece with a glued, stitched or taped manufacturers joint and top and bottom flaps. They are shipped flat, ready to use and require closing using the flaps provided.

**Description : 0206** 

Montage : M/A





Description : 0207 Montage : M



#### **Description : 0208**

Montage : M







**Slotted-type boxes** consist of basically one piece with a glued, stitched or taped manufacturers joint and top and bottom flaps. They are shipped flat, ready to use and require closing using the flaps provided.

Description : 0209 Montage : M/A





**Description : 0210** Montage : M





**Description : 0211** Montage : M





**Slotted-type boxes** consist of basically one piece with a glued, stitched or taped manufacturers joint and top and bottom flaps. They are shipped flat, ready to use and require closing using the flaps provided.



Montage : M/A











Description : 0215 Montage : M





Slotted-type boxes consist of basically one piece with a glued, stitched or taped manufacturers joint and top and bottom flaps. They are shipped flat, ready to use and require closing using the flaps provided.

#### **Description : 0216**

Montage : M





Closure of top can be automated La fermeture du dessus peut être automatisée Der verschluss des aufsatzes kann automatisiert werden

#### **Description : 0217**

Montage : M











**Slotted-type boxes** consist of basically one piece with a glued, stitched or taped manufacturers joint and top and bottom flaps. They are shipped flat, ready to use and require closing using the flaps provided.



Montage : M





Description : 0226 Montage : M





Description : 0227 Montage : M





**Slotted-type boxes** consist of basically one piece with a glued, stitched or taped manufacturers joint and top and bottom flaps. They are shipped flat, ready to use and require closing using the flaps provided.

**Description : 0228** 

Montage : M/A





Description : 0229 Montage : M





**Description : 0230** Montage : M/A





**Slotted-type boxes** consist of basically one piece with a glued, stitched or taped manufacturers joint and top and bottom flaps. They are shipped flat, ready to use and require closing using the flaps provided.

Description : 0231 Montage : M/A





**Telescope-type boxes** consist of more than one piece and are characterised by a lid and/or bottom telescoping over the body of the box.

**Description : 0300** 

Montage : M/A







#### Description : 0302 Montage : M









**Telescope-type boxes** consist of more than one piece and are characterised by a lid and/or bottom telescoping over the body of the box.

Description: 0303

Montage : M





Description : 0304 Montage : M





#### Description: 0306

Montage : M/A





**Telescope-type boxes** consist of more than one piece and are characterised by a lid and/or bottom telescoping over the body of the box.

Description : 0307 Montage : M





Description : 0308 Montage : M





Description : 0309 Montage : M





**Telescope-type boxes** consist of more than one piece and are characterised by a lid and/or bottom telescoping over the body of the box.

Description : 0310

Montage : M + A



Description : 0312 Montage : M/A



#### **Description : 0313** Montage : M/A









**Telescope-type boxes** consist of more than one piece and are characterised by a lid and/or bottom telescoping over the body of the box.



**Description : 0320** Montage : M/A

1/2B+			
B+	L+	B+	L+
тв	L	в	L
5 ² B			

#### **Description : 0321** Montage : M









**Telescope-type boxes** consist of more than one piece and are characterised by a lid and/or bottom telescoping over the body of the box.

Description : 0322

Montage : M







**Description : 0325** Montage : A





**Telescope-type boxes** consist of more than one piece and are characterised by a lid and/or bottom telescoping over the body of the box.

#### Description: 0330

Montage : M/A



Description : 0331 Montage : M/A





Description : 0350 Montage : M





**Telescope-type boxes** consist of more than one piece and are characterised by a lid and/or bottom telescoping over the body of the box.



Description : 0352 Montage : M/A







**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

#### **Description : 0400**

Montage : M



Description : 0401 Montage : M



**Description : 0402** Montage : M









**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

#### **Description : 0403**

Montage : M



#### Description : 0404 Montage : M



#### Description : 0405 Montage : M









**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

#### **Description : 0406**

Montage : A





#### **Description : 0409**

Montage : M		
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#### **Description : 0410** Montage : M/A







**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

#### **Description : 0411** Montage : M/A

















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#### **Description : 0415**

Montage : M/A







**Description : 0420** Montage : M/A









**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.





**Description : 0422** Montage : M/A



Description : 0423 Montage : M/A









**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

#### **Description : 0424**



Description : 0425 Montage : M/A



Description : 0426 Montage : M









**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

#### **Description : 0427**



Description : 0428 Montage : M



Description : 0429 Montage : M









**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

#### **Description : 0430**

Montage : M/A



Description : 0431 Montage : M



Description : 0432 Montage : M









**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

#### Description: 0433

Montage : M







Description : 0435 Montage : M/A









**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.





Description : 0437 Montage : M



Description : 0440 Montage : A









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#### **Description : 0441**

Montage : A



Description : 0442 Montage : M



**Description : 0443** Montage : M









**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.





**Description : 0445** Montage : M



**Description : 0446** Montage : A








**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

# Description : 0447 Montage : M



Description : 0448 Montage : M



**Description : 0449** Montage : M









Folder-type boxes and trays usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

Description : 0450 Montage : M



**Description : 0451** Montage : M



**Description : 0452** Montage : A









**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

# Description : 0453 Montage : A





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**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

### **Description : 0456**

Montage : M



Description : 0457 Montage : M



Description : 0458 Montage : M









**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

### **Description : 0459**

Montage : A







Description : 0470 Montage : M









**Folder-type boxes and trays** usually consist of only one piece of board. The bottom of the box is hinged to form two or all side walls and the cover. Locking tabs, handles, display panels etc., can be incorporated in some designs.

Description : 0471 Montage : M















**Slide-type boxes** consist of several pieces of liners and sleeves sliding in different directions into each other. This group also includes outside sleeves for other cases.



**Slide-type boxes** consist of several pieces of liners and sleeves sliding in different directions into each other. This group also includes outside sleeves for other cases.



Description : 0509 Montage : M





Description : 0510 Montage : M







Description : 0511 Montage : M





**Slide-type boxes** consist of several pieces of liners and sleeves sliding in different directions into each other. This group also includes outside sleeves for other cases.

**Description : 0512** Montage : M





**Rigid-type boxes** consist of two separate end pieces and a body and require stitching or a similar operation before they can be used.

**Description : 0601** Montage : A







**Description : 0605** Montage : A









**Rigid-type boxes** consist of two separate end pieces and a body and require stitching or a similar operation before they can be used.





**Description : 0607** Montage : A



### **Description : 0608**

Montage : A







**Rigid-type boxes** consist of two separate end pieces and a body and require stitching or a similar operation before they can be used.





H B L L

Description : 0615 Montage : M/A



### Description : 0616 Montage : M/A







**Rigid-type boxes** consist of two separate end pieces and a body and require stitching or a similar operation before they can be used.

### **Description : 0620**

Montage : A



Description : 0621 Montage : M







dy-glued cases consist of basically one piece, are shipped flat and ready to use by simple setting up.

**Description : 0700** 

Montage : M





Description : 0701 Montage : M





**Description : 0703** Montage : M





dy-glued cases consist of basically one piece, are shipped flat and ready to use by simple setting up.

Description : 0711 Montage : M





**Description : 0712** Montage : M





**Description : 0713** 

Montage : M





dy-glued cases consist of basically one piece, are shipped flat and ready to use by simple setting up.

**Description : 0714** 





Description : 0715 Montage : M



Description : 0716 Montage : M







dy-glued cases consist of basically one piece, are shipped flat and ready to use by simple setting up.

# Description : 0717 Montage : M





### **Description : 0718**



# **Description : 0747** Montage : M







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**Description : 0751** Montage : M





### **Description : 0752**





dy-glued cases consist of basically one piece, are shipped flat and ready to use by simple setting up.





Description : 0761 Montage : M



**Description : 0770** Montage : M









dy-glued cases consist of basically one piece, are shipped flat and ready to use by simple setting up.

Description : 0771 Montage : M



Description : 0772 Montage : M



Description : 0773 Montage : M









dy-glued cases consist of basically one piece, are shipped flat and ready to use by simple setting up.





**Interior fitments** such as inside liners, pads, partitions, dividers etc, whether tied to Case Design or as singular items. Any shown number of panels is arbitrary and may be increased or decreased as required.

### Coding of interior fitments

The following range of interior fitments is coded depending on the number of panels used, in any combination of shapes (for computer systems).



	1
\	1
٢	1
$\boldsymbol{\wedge}$	1
	1
	1
	1
	1

Number of panels	2	3	4	5	6	7	8	09	10
Code	0982	0983	0984	0985	0986	0987	0988	0989	0990
Number of panels	11	12	13	14	15	16	17	18	19
Code	0991	0992	0993	0994	0995	0996	0997	0998	0999

0982/0999 M



Description : 0901 Montage : M



Description : 0903 Montage : M

**Description : 0906** Montage : M



Description : 0904 Montage : M

Description : 0905 Montage : M



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Code	0991	0992	0993	0994	0995	0996	0997	0998	0999

0982/0999 М



**Description : 0910** Montage : M



**Description : 0908** Montage : M

**Description : 0911** Montage : M



**Description : 0909** Montage : M



**Description : 0913** Montage : M

**Description : 0914** Montage : M



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Code	0991	0992	0993	0994	0995	0996	0997	0998	0999

0982/0999 M



**Description : 0930** Montage : M



Description : 0933 Montage : M



Description : 0931 Montage : M







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Code	0991	0992	0993	0994	0995	0996	0997	0998	0999

0982/0999 M



Description : 0941 Montage : M

Description : 0944

Description : 0935 Montage : M

**Description : 0942** Montage : M



Description : 0940 Montage : M

<b>Description</b> :	0943
Montage : M	
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\	I
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	1

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Code	0982	0983	0984	0985	0986	0987	0988	0989	0990
Number of panels	11	12	13	14	15	16	17	18	19
Code	0991	0992	0993	0994	0995	0996	0997	0998	0999

0982/0999 M





Description : 0948 Montage : M

Description : 0951 Montage : M



Description : 0949 Montage : M



Description	: 0950
Montage : M	

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0982/0999 M



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Code	0991	0992	0993	0994	0995	0996	0997	0998	0999

0982/0999 M







The terms Box, Container and Case are interchangeable in the context of these descriptions.