



PACK-AGE

ArtiosCAD
packaging design software

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Corrugated board

- Drawing can be done from inside or outside
- Die-cutting can be made from inside
- Standard structures are collected to FEFCO system
- Grain direction is important in corrugated board

 Horizontal grain

 Vertical grain

- Board flute needs to be chosen by the product
- Good protecting properties due to fluting
- Displays, boxes, transportation boxes

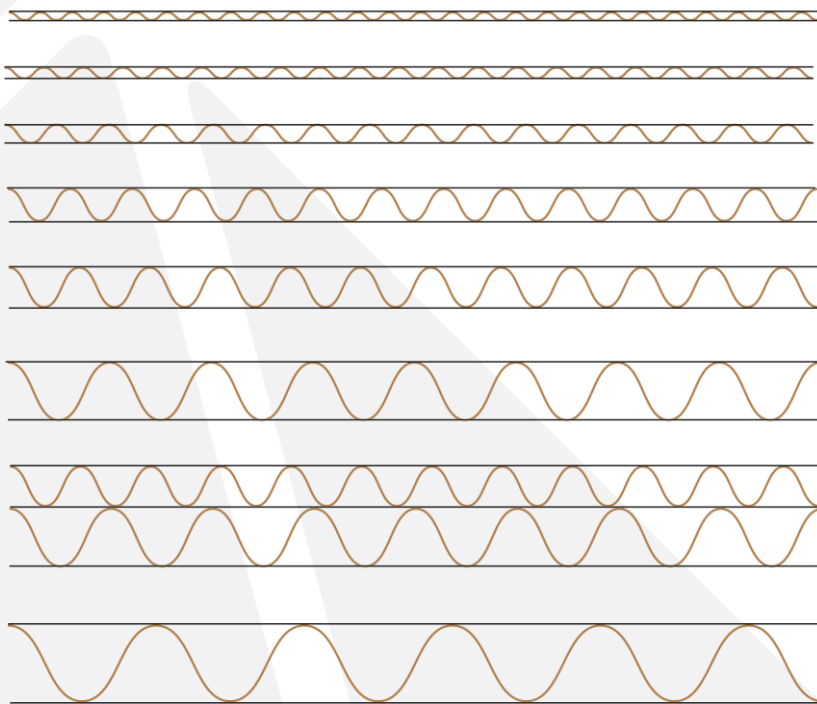
A Flute (5mm)
AA Flute (10mm)
AAA Flute (15mm)
ACA Flute (14mm)
B Flute (3mm)
BA Flute (8mm)
BC Flute (7mm)
BCB Flute (10mm)
BE Flute (4,5mm)
C Flute (4mm)
CA Flute (9mm)
CAA Flute (14mm)
CF Flute (4,8mm)
E Flute (1,5mm)
EB Flute (4,5mm)
EE Flute (3mm)
F Flute (0,8mm)
FB Flute (3,8mm)
FE Flute (2,3mm)
G Flute (0,6mm)
GF Flute (1,4mm)
K Flute (6,5mm)
N Flute (0,5mm)
NE Flute (2mm)
PEL - E Flute (1,6mm)
R Flute (2,4mm)

Board
flute

Thickness of the
board in mm.

Corrugated board

Corrugated boards flutes:



G flute, caliber (thickness) 0,6 mm

F flute, caliber 0,8 mm

E flute, caliber 1,5 mm

R flute, caliber 2,4 mm

B flute, caliber 3 mm

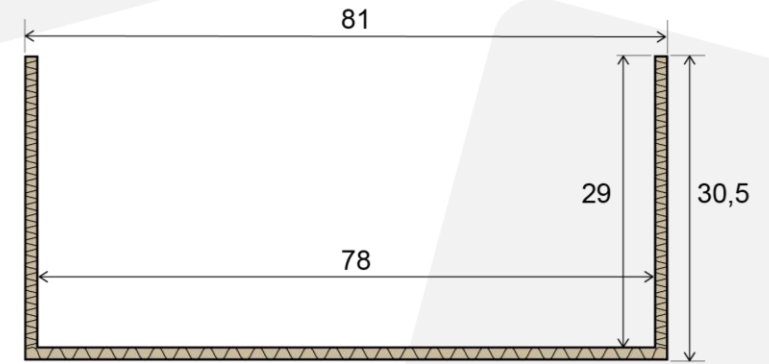
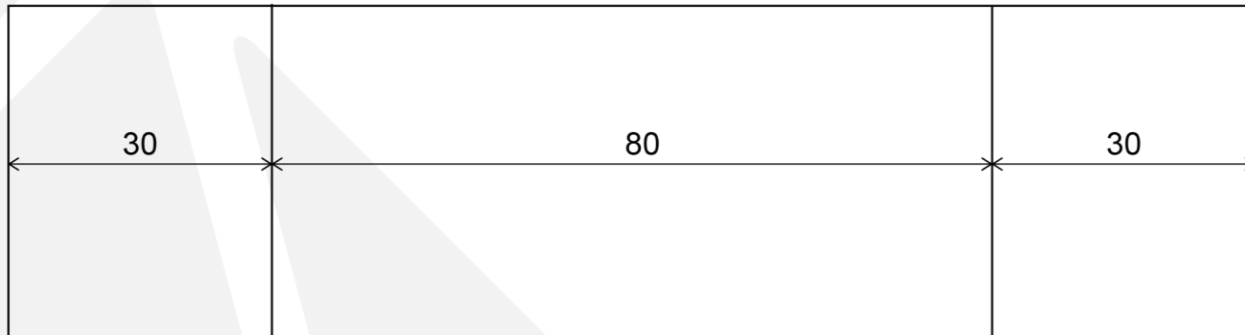
C flute, caliber 4 mm

BC flute, caliber 7 mm (B 3 mm + C 4 mm)

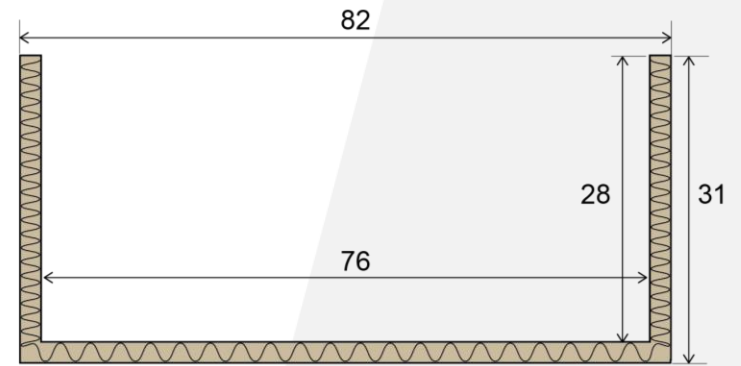
A flute, caliber 5 mm

Corrugated board

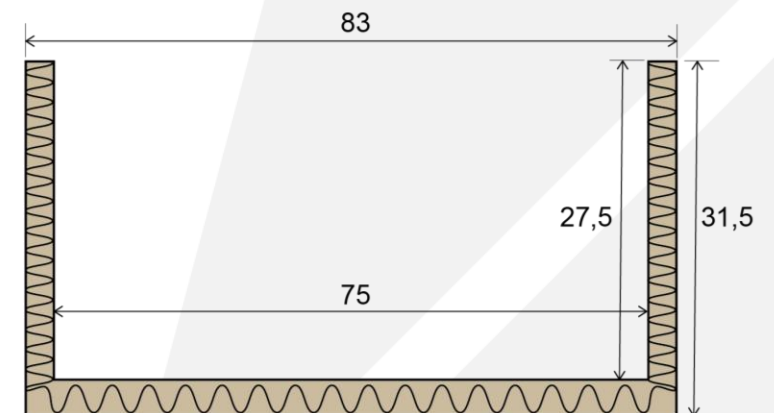
Drawing



E flute



B flute



C flute

Carton

- Drawing is made from outside
- Die-cutting is made from outside
- Standard structures are collected to ECMA system
- Sheet can be used in all directions
- Good printing qualities
- Small packages

Folding Box Board (0,35mm)

Folding Box Board (0,4mm)

Folding Box Board (0,45mm)

Folding Box Board (0,5mm)

Folding Box Board (0,55mm)

Folding Box Board (0,6mm)

Folding Box Board (0,65mm)

Folding Box Board (0,7mm)

Folding Box Board (0,75mm)

Folding Box Board (0,8mm)

Folding Box Board (0,85mm)

Folding Box Board (0,9mm)




Folding Box Board (0,95mm)

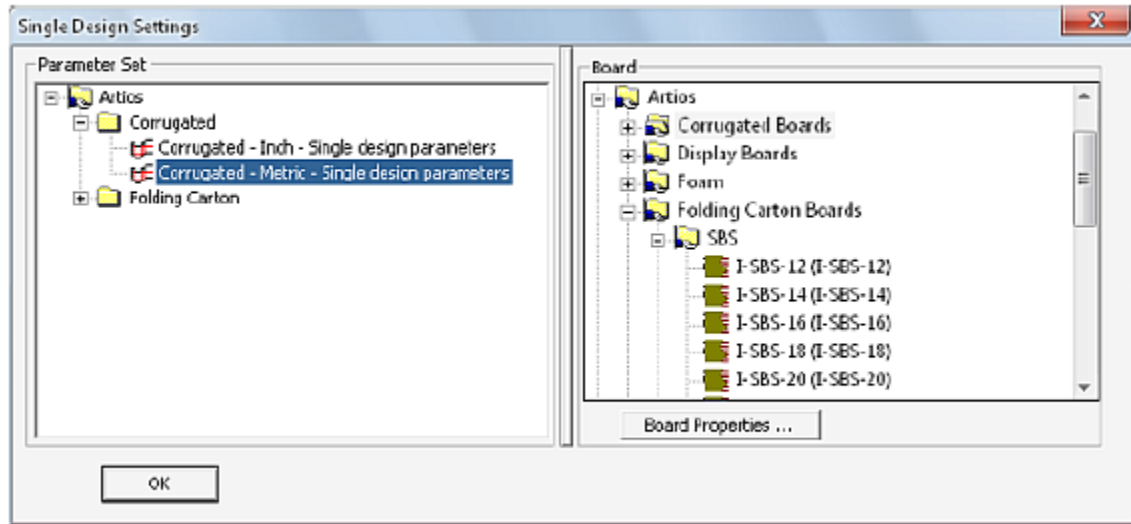
Thickness of the carton in mm.

ArtiosCAD

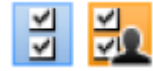
- ArtiosCAD is owned by ESKO.
- ESKO is specialised to CAD softwares for packaging industry.
- ArtiosCAD most used program for package structural design and manufacturing
- It can be used to for example
 - Structures for packaging and displays
 - 3D objects and pictures
 - Assembly instructions
 - Manufacturing files
 - Logistic information and 3D palletising with Capepack

ArtiosCad

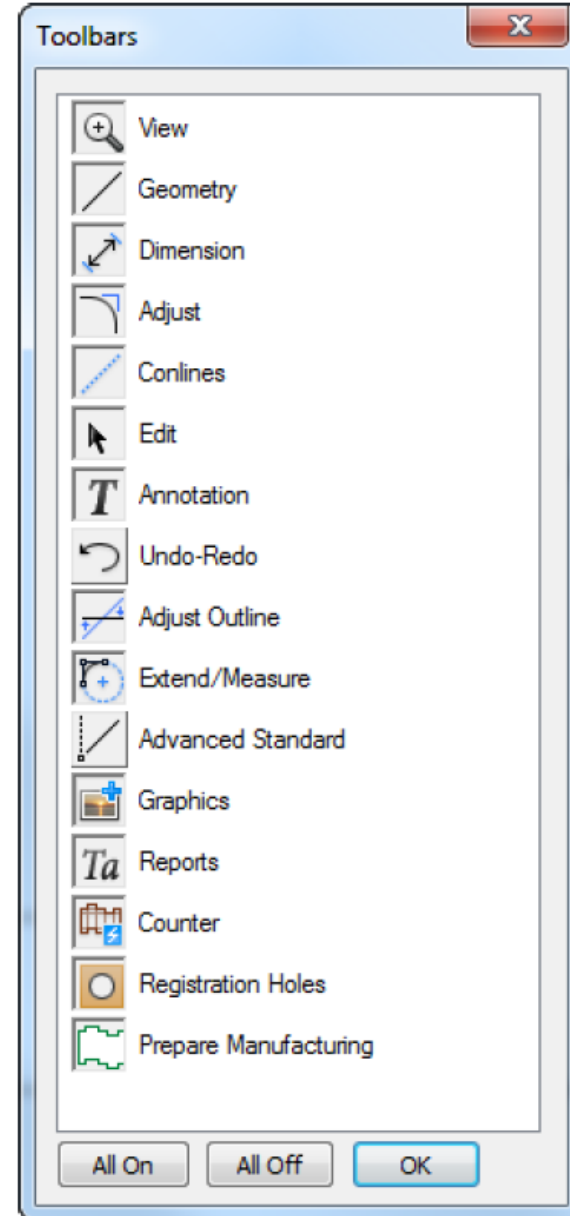
- Start > All Programs > Esko > ArtiosCAD > 
-   on your desktop.



ArtiosCad

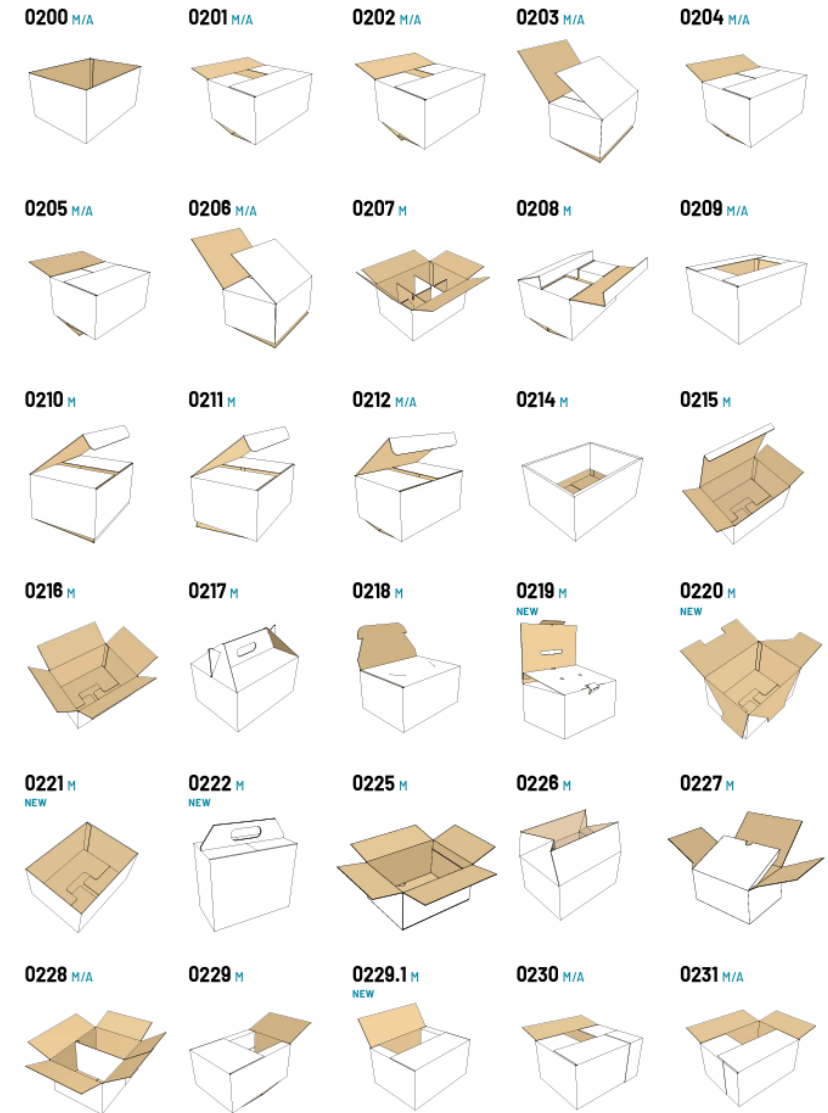


Direction of flute/outside drawing



ArtiosCad: standards

- Library of ready-made object
- Includes FEFCO's, ECMAs and other useful packages, fillers and displays
- Standard can used as a basis for new design
- Designs are mostly made of standards
- <https://www.fefco.org/technical-information/feeco-code>
- See page 29



ArtiosCad: geometry macros

- Library of ready-made shapes
- Includes for example locks and handles
- See page 32

ArtiosCad: task

1. page 37: **2.2.4 Recap Exercise - Folding Carton**
2. page 39: **2.2.5 Recap Exercise - Corrugated**

ArtiosCad: task

Adding text and dimensions

See page 97

Making 3D

File > Convert to 3D

Next task

Try to draw your own package.