SIGMA SUPPLY® OF NORTH AMERICA

BOX STYLES

Bin Box (Open)
- Ideal for organizing work areas

Bin Box (Stack)
- Ideal for organizing work areas while consolidating space

Box-CSO (Center Special Overlap)
- The inner flaps meet in the center when closed and the outer flaps will overlap by different amounts

Box-CSSC (Center Special Slotted Container)
- The inner and outer flaps meet in the center, creating more strength at the top & bottom due to the double thickness that the two flaps provide

Box-D/C (Die Cut)
- Highly customizable corrugated containers designed to fit any shape, size or need. They are known as die cut boxes because they are cut from plain sheets of corrugated material on a machine known as die press or die cutter.

Box-FOL (Full Overlap)
- The outer flaps almost completely overlap (just shy by one inch) when closed. This creates extra strength for stacking purposes.

Box-FPF (Five Panel Folder)
- A fifth layer panel that covers the entire top of the box. When sealed, three of the sides have several layers of corrugated which provides extra cushioning and stacking capability.

Box-FTD (Full Telescope Design)
- This box consists of a top and bottom piece. The lid or top must extend past at least 2/3 the depth of the bottom.

Box-HSC (Half Slotted Container)
- Same as a Regular Slotted Container (RSC), but without any top flaps at all

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BOX STYLES

Box-OPF (One-Piece Folder)
- Once piece of board is cut so that it provides a flat, unbroken bottom, with flaps forming the sides and ends, and extensions of the side flaps meeting to form the top

Box-OSC (Overlap Slotted Container)
- This style is the same as the Regular Slotted Container (RSC), except that the outer flaps overlap by at least an inch.

Box-POL (Partial Overlapping Container)
- The outer flaps are partially the width of the box, and when folded closed they fold partially overlapping the width of the box.

Box-RSC (Regular Slotted Container)
- The outer flaps are ½ the width of the box, and when folded closed they meet in the center of the box.
- Most common used style

Gaylord
- A Gaylord box is a bulk-size corrugated box built to store or ship large volumes.

Sheet
- Can be used for dividers, void fillers, layer pads, etc.

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CORRUGATED BOXES

How to Measure a Box – (LxWxH)

- The first dimension to measure is Length. Length is always the longest side of the box that has a flap.
- The next dimension is Width. The width side also has a flap, but is always the side with the shorter length.
- Measure the height of the package. Height is the only dimension without a flap. Measure the standing side of the box from top to bottom. The height measurement does not include flaps.

https://www.wikihow.com/Measure-the-Length-x-Width-x-Height-of-Shipping-Boxes

Understanding Corrugated Flutes

Corrugated material is available in different wall thicknesses, known as flutes sizes

A-Flute – Is the original corrugated flute and also the thickest. Due to it's thickness, it has the greatest cushioning to protect fragile products.

- Flutes per Linear Foot: 33
- Thickness: ¼"

B-Flute - With lower arch heights and more flutes per foot than A-flute material, B-flute contacts liners at a greater number of points. This additional support provides a stiff, flat surface for high quality printing and die cutting.

- Flutes per Linear Foot: 47
- Thickness: 1/8"

C-Flute - the most widely used flute size, commonly used for shipping cases. C-flute offers good crushing resistance, good stacking strength, and highly acceptable printing properties.

- Flutes per Linear Foot: 39
- Thickness: 3/16"

E-Flute - Containing about 90 flutes per foot, E-flute has greater crush resistance and a relatively flat surface for high quality printing applications. The thin board profile of E-flute reduces outer box dimensions, and can help save storage space.

- Flutes per Linear Foot: 90
- Thickness: 1/16"

F-Flute - Developed for small retail packaging, F-flute makes packages with lower fiber content.

- Flutes per Linear Foot: 125
- Thickness: 1/32"

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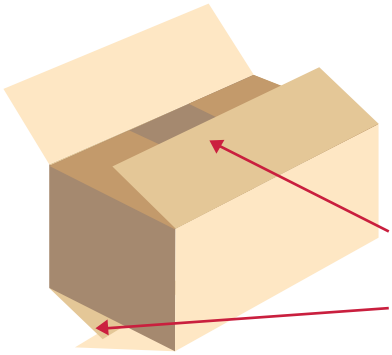
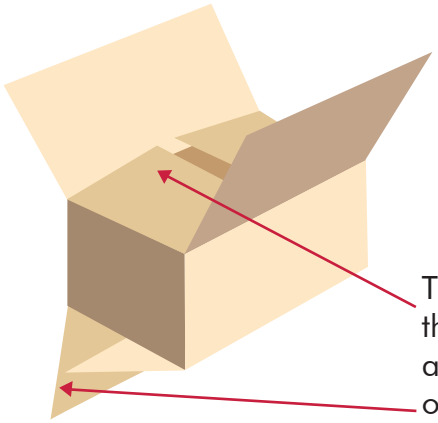
CORRUGATED BOXES STYLES

Overlap Slotted Container (OSC)



This style is the same as the RSC except that the outer flaps overlap by at least an inch

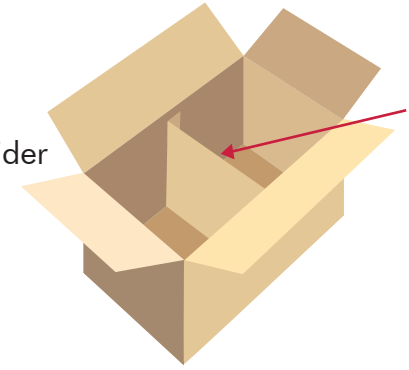
Center Special Full Overlap Slotted Container (SFF)



The inner flaps meet in the center when closed and the outer flaps fully overlap.

Intergral Divider Container

Also know as:
RSC with Internal Divider
or Self Divider Box



Designed with a built-in divider

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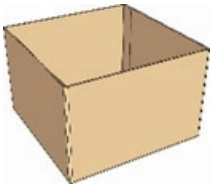
CORRUGATED BOXES

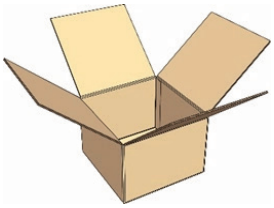
RSC – Regular Slotted Container

The "blank" is slotted and scored. The outer flaps are 1/2 the width of the box, and when folded closed they meet in the center of the box.



HSC – Half Slotted Container

The "blank" is slotted and scored. The outer flaps are 1/2 the width of the box, and when folded closed they meet in the center of the box. Same as a Regular Slotted Container, but without any top flaps at all.

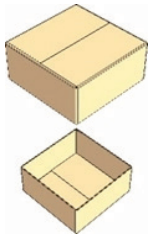


FOL – Full Overlapping Container

The "blank" is slotted and scored. The outer flaps are the full width of the box, and when folded closed they fold the full width of the box.

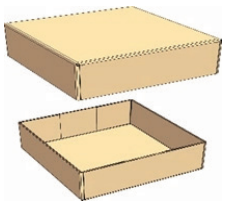
POL – Partial Overlapping Container

The "blank" is slotted and scored. The outer flaps are partially the width of the of the box, and when folded closed they fold partially overlapping the width of the box.



Telescoping Box – HSC Top and Bottom

Separate Half Slotted Container top and bottom where one size fits over the other, providing maximum protection. Telescoping containers join the flaps on the end or side panels, rather than top or bottom of the box.



Telescoping Box – Tele Top and Bottom

Separate top and bottom where one size fits over the other, providing maximum protection. Telescoping containers join the flaps on the end or side panels, rather than top or bottom of the box.

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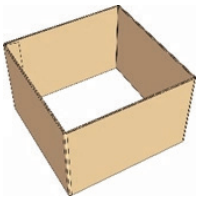
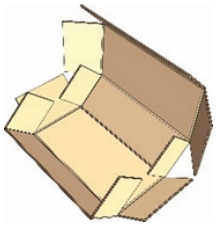
CORRUGATED BOXES



Tube – Container Without Flaps

Corrugated tubes have no top or bottom flaps, and they normally use a corrugated top and bottom cover.

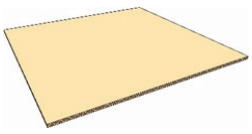


5PF – Container With Five Panels

A scored and slotted corrugated piece that has five panels. Can be used as a wrap or can be reverse corrugated for stacking strength. There are two basic types of five panel folders.

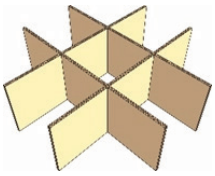
OPF – One-Piece Folder – Center Joint Without Dust Flaps

One piece of board is cut so that it provides a flat, unbroken bottom, with flaps forming the sides and ends, and extensions of the side flaps meeting to form the top.



PAD – Scored/Slit-Scored Pad

Can be used for dividers, void fillers, layer pads, etc.



Partitions

Can be used for dividers, void fillers, air cell, etc.

Mailer – Die Cut TTM With Ears And Dust Flaps

A corrugated single-cut one-piece material die cut. Self-locking tabs – no taping or gluing. Very durable and can be used for a mailer.

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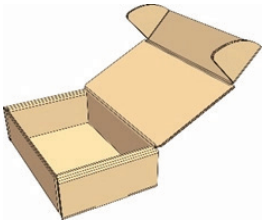
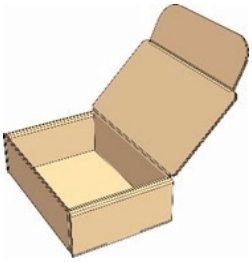
CORRUGATED BOXES



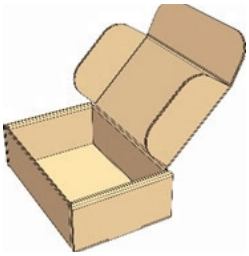
Mailer – Die Cut TTM With Ears, No Dust Flaps

A corrugated single-cut one-piece material die cut. Self-locking tabs – no taping or gluing. Very durable and can be used for a mailer.



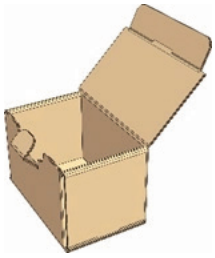
Mailer – Die Cut TTM With Front Tuck, No Dust Flaps

A corrugated single-cut one-piece material die cut. Self-locking tabs – no taping or gluing. Very durable and can be used for a mailer.



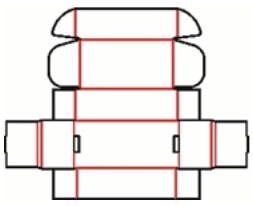
Mailer – Die Cut TTM Front Tuck With Dust Flaps

A corrugated single-cut one-piece material die cut. Self-locking tabs – no taping or gluing. Very durable and can be used for a mailer.



Mailer – Die Cut Swing Roll Over Front Tuck With Locking Tab, No Dust Flaps

The tab-lock roll-end box or mailer box is a corrugated box style that is well-sealed and sturdy. This is the most popular e-commerce packaging box, due to its protection capabilities and unboxing.



Custom Packaging

Sigma Supply of North America can supply all types of packaging. There are countless possibilities!